PB89-172894

Report on the Status of Chemicals in the Special Review Program, Registration Standards Program, Data Call-In Program, and Other Registration Activities. Fiscal Year 1988

(U.S.) Environmental Protection Agency
Washington, DC

30 Sep 88

U.S. Department of Commerce
National Technical Information Service
NTIS

50272-101

REPORT DOCUMENTATION PAGE

1. REPORT NO.

2.

3. Recipient's Accession No. PB89 172894/AS

4. Title and Subtitle

Report on the Status of Chemicals in the Special Review Program: Registration Standards Program, and Data Call-In program

5. Report Date September 30, 1988

6.

7. Author(s)

Sherada Hobgood, Registration Division

8. Performing Organization Rept. No. 540/09-89-037

9. Performing Organization Name and Address

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WASHINGTON, D.C. 20460

10. Project/Task/Work Unit No.

11. Contract(C) or Grant(G) No.

(C)

(G)

12. Sponsoring Organization Name and Address

Same as 9

13. Type of Report & Period Covered

14.

15. Supplementary Notes

This report supercedes 540/09-88-019 dated September 30, 1987.

16. Abstract (Limit: 200 words)

The

This publication contains: 1) an alphabetical listing of all chemicals which have been, or are being handled under the Special Review Process, 2) an alphabetical listing of the chemicals which have been through or are now active in the Registration Standard Development Process, and 3) identification by cluster of the chemicals which have been through or are being processed in the Data Call-In Program.

This listing is intended to give the dates and status of a chemical and is updated semi-annually. Users of this document are encouraged to contact the appropriate Product Manager (PM) or Branch Chief, as noted, if they have any questions regarding the entries in this listing.

The

17. Document Analysis a. Descriptors

Pesticides, chemicals, registration, special review, data call-in, risk/benefit analysis, health and the environment.

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

18. Availability Statement:

Publicly Available

19. Security Class (This Report) unclassified

20. Security Class (This Page) unclassified

21. No. of Pages 121

22. Price Pc 21.95/ MF 6.95

(See ANSI-Z39.18)

See Instructions on Reverse

OPTIONAL FORM 272 (4-77)
(Formerly NTIS-35)
Department of Commerce

PB89-172894

FISCAL YEAR 88

REPORT

on

THE STATUS OF CHEMICALS IN THE SPECIAL REVIEW PROGRAM, REGISTRATION STANDARDS PROGRAM, DATA CALL-IN PROGRAM, AND OTHER REGISTRATION ACTIVITIES

(Report contains information as of September 30, 1988

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REPRODUCED BY
U.S. DEPARTMENT OF COMMERCE
NATIONAL TECHNICAL INFORMATION SERVICE
SPRINGFIELD, VA. 22161

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PREFACE

This publication contains: 1) an alphabetical listing of all chemicals which have been, or are in the Special Review Process (formerly called the Rebuttable Presumption Against Registration or "RPAR" process; the change of name to "Special Review" was proposed in the *Federal Register* notice of March 27, 1985), 2) an alphabetical listing of the chemicals which have been through or are now active in the Registration Standard Development Process, and 3) identification by cluster of the chemicals which have been through or are being processed in the Data Call-In program. These programs are managed by the Registration Division, Office of Pesticide Programs, Office of Pesticides and Toxic Substances, Environmental Protection Agency (EPA).

This listing is intended to give the dates and status of a chemical and is updated annually. Users of this document are encouraged to contact the appropriate PM or Branch Chief, as noted, if they have any questions or corrections regarding the entries in this listing.

Sections of the law referred to in this document are from the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) as amended 7 U.S.C. Section 136.

All chemicals are listed by the names under which they were or are being reviewed. Other widely used common or chemical names *may* also appear in the Index.

Copies of most of the position documents (PD) and Registration Standards are available from the National Technical Information Service (NTIS), U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, 487-4650. The accession number and costs for paper copy and/or microfiche are cited for those documents presently available from NTIS.

When requesting documents from the NTIS, state the name of the document, the NTIS publication number (PB), enclose proper payment (check payable to NTIS), and provide a return mailing address.

SPECIAL REVIEW PROCESS

On November 27, 1985, the Agency promulgated a final rule which sets forth new criteria for the initiation of a Special Review. These criteria asure that the determination of whether or not a pesticide poses an unreasonable risk will be based both on the toxic effects associated with the pesticide and the actual or projected exposure of humans and nontarget organisms to the pesticide.

The criteria for initiating a Special Review of pesticide uses include:

1. Acute toxicity to humans or domestic animals.
2. The potential of adverse chronic effects in humans.
3. Hazards to nontarget organisms.
4. Separate criteria for hazards to threatened or endangered species.
5. An "other adverse effects" criterion which would permit the Agency to initiate a Special Review in circumstances where potential risks may not be anticipated by the specific criteria.

When the Agency concludes tentatively that effects data, together with preliminary information on exposure, indicate that a risk criterion may have been met, registrants receive private notification that the Agency is considering issuing a Notice of Special Review. Issuance of the private notification will be deemed to be the commencement of the pre-Special Review phase of the process. The registrant has 30 days to dispute the validity of the Agency's conclusions.

If, after notification to the registrants, the Agency tentatively determines that use of the pesticide does not pose a significant risk, a Federal Register notice is issued which explains the Agency's determination that the use of the pesticide does not pose a significant risk. This notice also announces the availability of the public docket, which includes the pre-Special Review notification and all written information received in response to the notification. The notice will also solicit public comment on the Agency's determination. Following the public comment period, the Agency will make a final decision whether to initiate a Special Review.

If the Agency determines that a significant risk may be associated with a pesticide use, a Notice of Special Review will be published in the Federal Register. This notice describes the Agency's reasons for the determination of significant risk, the assumptions and data used in the analysis, the nature and strength of the conclusions, and will announce the availability of the pre-Special Review docket. The Notice will also solicit public comment and request additional information on the pesticide.

If the Agency determines that a pesticide may pose a significant risk and decides to initiate the Special Review process, a Current Benefits Review is also initiated.

After the Notice of Special Review is issued, the Agency may meet with interested parties to discuss the Agency's risk concerns and available options to reduce the potential risk to health or the environment.

The Agency will conduct a comprehensive Risk/Benefit analysis of each use of the pesticide which is subject to Special Review. Potential risks are evaluated by considering factors such as:

--the nature of any adverse effect;
--the magnitude of exposure of humans and other nontarget organisms; and
--the size of the population at risk.

The benefits of use are also evaluated by including the availability, efficacy, and cost of alternative control methods.

If the registrants voluntarily amend their registrations in a manner which would reduce the risks associated with continued use to acceptable levels, a Notice of Preliminary Determination is published in the Federal Register describing the Agency's previous risk concerns and giving the basis for the Agency's proposed voluntary resolution of these concerns. If the registrants have not offered voluntarily to amend the terms and conditions of registration in a manner which would reduce the risks to an acceptable level, the Agency will issue a Notice of Preliminary Determination setting forth regulatory measures necessary to reduce risks to an acceptable level and a proposed notice of intent to cancel, deny, or reclassify registration implementing these measures. The Agency will issue its preliminary determination for publication in the Federal Register and provide an opportunity for public comment.

If the Agency proposed to issue a cancellation, denial, or reclassification notice, that proposal is submitted to the Scientific Advisory Panel (SAP) for comment on the Agency's scientific rationale. At the same time, the Agency submits the proposed notice to the United States Department of Agriculture (USDA) for comment, especially on the benefits issues and agricultural impacts.

After evaluating all comments received from the USDA, the SAP, and the public on the proposed action, the Agency will modify the proposal where appropriate prior to issuance as a final action. A Notice of Final Determination is published in the Federal Register, along with a Notice of Intent to Cancel, Deny, or Reclassify Registration if required to implement the determination. Any such notice becomes effective by operation of law unless the registrant makes the necessary corrections or a hearing is timely requested by a person adversely affected by the notice.

REGISTRATION STANDARDS

Reassessment and reregistration tion of pesticide products as mandated by Congress in FIFRA Section 3(g). EPA established the Registration Standards Program to accomplish this reassessment, which involves a thorough review of the scientific data base underlying pesticide registrations and an identification of essential but missing scientific studies required to complete a comprehensive evaluation of the chemical.

The FIFRA Amendments of 1988 affected the Registration Standards Program by providing for accelerated reregistration of chemicals for which a standard had not been issued. At the time of the passage of these Amendments, one hundred and ninety-six (196) chemicals had undergone review under the Registration Standards Program. These chemicals will continue to be considered for reregistration under the Registration Standards Program. Other chemicals will be reregistered under the accelerated reregistration process (see succeeding section.)

Under the Registration Standards Program, broad regulatory decisions were made on a group of pesticide products containing the same active ingredient. The processing sequence involved grouping active ingredients into forty-eight (48) clusters, based on use pattern. The clusters were, in turn, scheduled for review based on production, human exposure and ecological exposure factors. The review resulted in the issuance of a Registration Standard, which explains EPA's regulatory position on the use of the active ingredient in all pesticide products containing that chemical.

The relationship of this process with the Special Review Process is that if the analysis of the data shows that a special review criterion has been met, the Standard announces the Agency's decision regarding issuance or consideration of a special review for some or all of the uses of the chemical.

Registration Standards are developed in three phases: (1) Data-Gathering, (2) Data Evaluation, and (3) Regulatory Position Development, followed by the issuance of the Registration Standard. (For convenience, phase 2 and 3 are combined in this report and the issued documents are identified separately.)

(1) Data-Gathering: Agency scientists identify, from a bibliography of all data in Agency files, which studies should be reviewed; hard copies of the studies are retrieved. This phase lasts about five months.

(2) Data Evaluation: Scientists review data in each of five disciplines: product chemistry, environ mental fate, residue chemistry, toxicology and ecological effects. The review of each relevant study is documented and a summary of what is known in each discipline is prepared. The scientists also identify gaps in the data base. While the 40 CFR 158 guidelines are used to determine data gaps, each chemical is individually reviewed and if resulting data needs differ from the guidelines, the scientist provides justification for the deviation. This phase lasts from six to ten months.

(3) Development of Regulatory Position and Issuance of Guidance Package: Once the science review is complete, the Project Support Team, which consists of all Agency staff involved in the review, convenes to identify the appropriate regulatory position for the chemical. They develop the rationale for the regulatory position and determine data requirements which need to

be imposed to complete the review. The results of the team's decision is documented in the Registration Standard.

After the document is approved, study review and science summaries are placed in Agency records for retrieval during subsequent reviews of the chemical. Copies of these documents are available through OPP's Freedom of Information Section.

The Registration Standard is sent to the registrant under the authority of Section 3(c)(2)(B) and Section 3(g) of FIFRA. Once the registrants of a chemical have supplied the data required by the Standard, that chemical is scheduled for a Second Round Review. This Second Round Review is conducted essentially by the same process as the initial review. If additional data are required, the process will continue until all Agency concerns regarding the chemical are resolved.

Copies of Standards are available to the public through the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22152, telephone 703/487-4650. Microfilm copies are available for $4.50; the price of paper copies varies according to the length of the document. Cite the report title and the NTIS order report number (PB Number) when orderng.

ACCELERATED REREGISTRATION

The 1988 amendments to FIFRA require a comprehensive data call-in and accelerated registration process, over approximately an eight year period, for all active ingredients for which a Standard was not issued. This process is accomplished in five phases: (1) listing of active ingredients that will be reregistered; (2) submission of notices by registrants respecting their intention to seek reregistration, identification of missing and inadequate data, and commitments to replace such data; (3) sub= mission of certain information regarding previously submitted data; (4) independent, initial Agency review of registrant submissions, identification of data gaps, and issuance of requests for additional data, if required; and (5) review of data submitted for reregistration and appropriate regulatory action.

Results from the initial phases of this accelerated reregistration process will be available during 1989. As these results become available, the status of each listed chemical will be reported.

THE DATA CALL-IN PROGRAM

The Data Call-In Program requires existing registrants of active pesticide chemicals to provide the Agency with needed studies under Section 3(c)(2)(B) of FIFRA. Such studies, including chronic toxicology, product chemistry, residue and environmental fate data are an integral part of the data base used to reassess each chemical during the reregistration process or to resolve special concerns such as whether the chemical enters groundwaters.

The purpose of Data Call-In is to assure that these data are available or well underway before the pesticide chemical is reassessed for reregistration under Section 3(g) or other purposes.

The four types of long-term toxicological data which have been traditionally requested consist of Chronic Feeding, Oncogenicity, Reproduction and Teratogenicity (informally referred to as the CORT studies). These studies are described in the Toxicology Data Requirements' part of the "Pesticide Registration: Proposed Data Requirements" regulation.[*] The product chemistry, residue, and environmental fate studies are also described in this regulation.

Under the Data Call-In Program, the Agency: (1) determines which types of data are required for each chemical, based on its use patterns and other factors; (2) identifies those test categories with no valid data submitted; and (3) ensures that studies are initiated by registrants of the pesticide to fill those data gaps.

In general, the sequence of processing the active ingredients through the Data Call-In Process is based on the priority cluster ranking in which active ingredients that have a similar use(s) are clustered into about 50 groups and the groups are processed in sequence. A notice of the availability of the final cluster ranking was published in the Federal Register, 47 FR 3770, January 24, 1982. The cluster ranking is not followed when special concerns arise about a chemical or a particular group of chemicals. During FY 85, the program will be focused on processing the remaining food-use chemicals.

In each Notice, the registrant can request the Agency to exempt or waive any or all of the specified data requirements. Registrants may request changes of or exemptions from the data requirements because:

1. They believe they are a formulator or end-user.
2. They determine that their chemical involves only minor exposure and production. In addition, registrants may cite economic factors as precluding its capacity to incur the costs of testing.
3. They wish to remove all registered uses which involve food crops/products and/or significant repeated exposure to humans and the environment.

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[*] The Pesticide Registration Guidelines were reproposed as Part 158, 40 CFR on November 24, 1982, in 47 Federal Register 53192.

4. They believe the data requirements do not apply to the registered uses of their product(s).

If the Agency does not grant the change(s) or exemption(s), the registrants must arrange to comply with the Notice.

If a registrant does not respond or comply with the Data Call-In Notice, the Agency issues an Administrative Notice (NOIS-Notice Of Intent to Suspend) compelling the registrant to stop distributing the particular pesticide product(s) until compliance with the Notice occurs. The actual effect of a NOIS is to put a registration "on hold" until such time as the registrant wishes to comply with the notice and make his registration active. Any such NOIS issued under Section 3(c)(2)(B) is rescinded when the Agency is informed and agrees that compliance occurs. Such NOIS's never, independently, result in cancellations and are therefore clearly different from the FIFRA Section 6 suspensions which can later become cancellations and cause the withdrawal of pesticide products from the market. This report gives the status of chemicals and clusters being processed through Data Call-In. The status includes whether a Notice or equivalent has been issued and whether the Agency has reached a final decision on all the waivers, exemptions, cancellations, commitments and offers received from registrants.

OTHER REGISTRATION ACTIVITIES*

Included for the first time in this report are registration activities that have previously been included in the Registraton Division's FY Annual Report; thus, the reporting period for these registration activities is 10/1/87 through 9/30/88. The activities included are: Pesticide Program Accomplishments; Pesticide Program Final Decisions; New Chemicals Registered; Number of Active Registrations; Tolerances for Regional Registrations; and Genetically Altered and Nonindigenous Microbial Pesticides.

(1) Pesticide Program Accomplishments (PPAs) in FY 88: At the end of FY 88, the New Chemical, Old Chemical, Amendment, New Use, Emergency Exemption, Temporary Tolerance, Special Local Need (SLN), and Tolerance PPAs had equaled or exceeded the Integrated Work Plan (IWP) End of the Year (EOY) accomplishments target. The decline in receipts in the Experimental Use Permits (EUP) and Inert PPAs partially accounted for their shortfall against target accomplishments. The average turnaround time exceeded the target in the Old Chemical, Amendment, EUP, Temporary Tolerance, and Inert PPAs. (Refer to the table under this caption.)

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*This section, "Other Registration Activities" during prior years had previously been included in the Registration Division's Annual Report.

(2) Strategic Planning and Management System (SPMS) Accomplishments in FY 88: These are Agency measures and include only the Final Decision for each active ingredient, product or application as appropriate. This decision could be one of registration, conditional registration, withdrawal, denial, granting, or issuing. (Refer to the table under this caption).

(3) New Chemicals Registered in FY 88: A total of thirteen new chemicals were registered between 10/1/87 and 9/30/88. (Refer to the table under this caption.)

(4) Number of Active Registrations (through FY 88): The number of products registered under FIFRA stands at 47,161 as of 9/30/88. (Refer to the table under this caption.)

(5) Tolerances Established for Regional Registrations Issued in FY 88: Tolerances for regional registrations are usually established under the auspices of the IR-4 Minor Use program. The IR-4 Minor Use program which is supported by USDA provides natonal leadership, coordination, and a focal point for pesticide clearance of commodities that do not offer an adequate monetary incentive for the pesticide industry to pursue the necessary tolerances on their own. The regional registrations are those that are limited to specific geographic areas, usually involving one or a few states. (Refer to the table under this caption.)

(6) Genetically Altered and Nonindigenous Microbial Pesticide Activities in FY 88: A coordinated framework for regulating biotechnology was published in the Federal Register on June 26, 1986 (51 FR 23313). For /Y 88, RD processed three (3) informal reviews, four (4) notifications, and four (4) EUP applications. (Refer to the table under this caption.)

OFFICE OF PESTICIDE PROGRAMS DOCUMENTS

The Office of Pesticide Programs (OPP) has compiled a list of documents that can be purchased at the National Technical Information Service (NTIS). The list includes the following types of OPP publications:

- Position Document Report
- Pesticides Product Information Microfiche Report
- Hazard Evaluation Division Guidelines Report
- Hazard Evaluation Division Standard Evaluation Procedures Report
- Fact Sheets Report
- Miscellaneous/Publications/Documents Report
- Registration Standard Report

This list, which provides information such as: the NTIS number, EPA number, fiche-copy price, and hard-copy price, is available to the public upon request by telephone at the following numbers:

(703) 557-4460 or 557-4474 or by mail to the following address:

Document Management Section, ISB
Program Management and Support Division
Office of Pesticide Programs
Environmental Protection Agency
401 M Street S.W.
Washington, D.C. 20460

SPECIAL REVIEWS IN PROCESS

SEPTEMBER 1988

CHEMICAL (Class of Chemicals) and CONTACT PERSON	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
ALACHLOR (Special Review Br.)	o Oncogenicity	o PD 1 published 50 FR 1115 on 1/9/85; comment period closed 4/9/85: NTIS# PB85-175503. Press release published on 1/3/85. o PD 2/3 published 51 FR 36166 on 10/8/86; comment period closed 12/8/86: NTIS# PB-87-181319. o PD 4 on dietary and applicator risks published 52 FR 49480 on 12/31/87 requiring restricted use, label warning, closed systems for large-scale mixer/loaders. (NTIS # not available) o PD 4 for ground water deferred until 1991.
ALDICARB (Special Review Br.)	o Acute Toxicity	o PD 1 published 49 FR 28320 on 7/11/84; comment period closed 9/11/84. (NTIS # not available) o PD 2/3 published 53 FR 24630 on 6/29/88; comment period closed 9/29/88. o PD 4 scheduled for issuance in FY 89.
AMITROLE (Special Review Br.)	o Oncogenicity	o PD 1 published 49 FR 20546 on 6/15/84; comment period closed 7/11/84: NTIS# PB8718717. o A proposed decision scheduled in late FY 89 or FY 90.
CAPTAN (Special Review Br.)	o Oncogenicity o Mutagenicity o Other Chronic Effects	o PD 1 published 45 FR 54938 on 8/18/80; comment period closed 12/1/80: NTIS# PB81 109449. o PD 2/3 published 50 FR 25885 on 6/21/85; comment period closed 8/5/85:

CHEMICAL (Class of Chemicals) and CONTACT PERSON	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
CAPTAN (cont'd) (Special Review Br.)	o Oncogenicity o Mutagenicity o Other Chronic Effects	o NTIS# PB87-118011 o PD 4 scheduled for issuance by 1/89.
CARBOFURAN (Special Review Br.)	o Wildlife Effects	o PD 1 published 50 FR 41938 on 10/16/85; comment period closed 12/2/85: NTIS# PB87-186771. o PD 2/3 scheduled for completion in 12/88.
CHLORDIMEFORM (Special Review Br.)	o Oncogenicity	o Proposed decision not to initiate special review due to voluntary cancellation of all products published 53 FR 36422 on 9/19/88. o Final decision to be issued in FY 89.
2,4-D (Special Review Br.)	o Oncogenicity	o Proposed decision not to initiate special review published 53 FR 9590 on 3/23/88. o Final decision scheduled to be issued in FY 89.
DAMINOZIDE (Special Review Br.)	o Oncogenicity	o PD 1 published 49 FR 29136 on 7/18/84; comment period closed 8/31/84. (NTIS # not available) o Draft PD 2/3/4 issued on 9/12/85. o Data call-in issued on 2/10/86. Determination of final decision pending receipt of interim data in 1987 and 1988 or final report in 1990.
1,3-DICHLOROPROPENE (Special Review Br.)	o Oncogenicity	o PD 1 published 51 FR 36161 on 10/8/86; comment period closed 12/8/86. (NTIS # not available) o PD 2/3 scheduled to be issued in FY 89.

CHEMICAL (Class of Chemicals) and CONTACT PERSON	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
DICHLORVOS (DDVP) (Special Review Br.)	o Oncogenicity	o Decision document published 47 FR 45075 on 10/13/82: NTIS# PB-87181335. o Returned to the registration process on 9/29/82, stating that the Agency will reassess carcinogenic potential when additional oncogenicity data are received. o PD 1 published 53 FR 5542 on 2/24/88. (NTIS # not available) o PD 2/3 scheduled for issuance in FY 89.
DINOCAP (Special Review Br.)	o Teratogenicity	o PD 1 published 50 FR 1119 on 1/9/85; comment period closed 2/22/85. (NTIS # not available) o PD 2/3 published 51 FR 39577 on 10/29/86; comment period closed 12/29/86: NTIS# PB-87-178844. o Final decision scheduled for issuance by 10/88.
ETHYLENE DITHIOCARBAMATES (EBDC's) (Special Review Br.)	o Oncogenicity o Thyroid Effects o Teratogenicity	o PD 1 published 52 FR 27172 on 7/17/87; comment period closed 9/30/87. (NTIS # not available) o PD 2/3 scheduled for issuance by 2/89.
ETHYLENE OXIDE EtO (Special Review Br.)	o Oncogenicity o Mutagenicity o Testicular Effects	o PD 1 published 43 FR 3801 on 1/27/78; comment period closed 5/15/78: NTIS# PB80-213903. o PD 2/3 on spice uses scheduled for FY 89.
INORGANIC ARSENICALS (non-wood use) (Special Review Br.) See index for list of chemicals	o Oncogenicity o Mutagenicity o Teratogenicity	o PD 1 published 43 FR 42867 on 10/18/78; comment period closed 2/12/79: NTIS# PB87-181327. o PD 2/3 (which excludes the four uses listed below) published 52 FR 132 on

SPECIAL REVIEWS IN PROCESS

CHEMICAL (Class of Chemicals) and CONTACT PERSON	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
INORGANIC ARSENICALS (non-wood use) (Special Review Br.) See index for list of chemicals.	o Oncogenicity o Mutagenicity o Teratogenicity	1/2/87; comment period closed 2/17/87. (NTIS # not available) o PD 2/3 (which will address: turf herbicide use of calcium arsenate; grapefruit growth regulator use of lead arsenate; grape fungicidal use of sodium arsenite; and desiccant use of arsenic acid) scheduled to be issued in FY 89. o PD 4 (excluding four uses listed above) published 53 FR 24787 on 6/30/88. Registrants of ant bait formulations filed hearing request on 7/29/88. (NTIS # not available)
LINURON (Special Review Br.)	o Oncogenicity	o PD 1 published 49 FR 37843 on 9/26/84; comment period closed 11/10/84: NTIS# PB85-174654. o Proposed decision to terminate special review published 53 FR 31262 on 8/17/88. o Final decision scheduled for issuance in FY 89.
PENTACHLOROPHENOL (non-wood use) (Special Review Br.)	o Oncogenicity o Fetotoxicity o Teratogenicity	o PD 1 published 43 FR 48443 on 10/18/78: NTIS# PB81-109464. o PD 2/3 published 49 FR 48367 on 12/12/84; NTIS# PB87-119095. o Special review on oil well, cooling tower and pulp and paper uses deferred until additional data are received. Data due late 1989. o PD 4 on non-deferred uses published 52 FR 2282 on 1/21/87: NTIS# PB87-204707. Amended PD 4 clarifying deferred uses published 53 FR 5524 on 2/24/88. (NTIS # not available.

SPECIAL REVIEWS IN PROCESS

SEPTEMBER 1988

CHEMICAL (Class of Chemicals) and CONTACT PERSON	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
TPTH (Special Review Br.)	o Teratogenicity	o PD 1 published 50 FR 1107 on 1/9/85; comment period closed 2/22/85: NTIS# PB85-175487. o Data call-in for additional data issued 5/88. o PD 2/3 to be scheduled for issuance in fall 1989.
TRIBUTYLTINS (Special Review Br.) see index for list of chemicals	o Acute and Chronic Toxicity to Nontarget and Aquatic Organisms	o PD 1 for antifoulant paint uses published 51 FR 778 one1/8/86; comment period closed 2/24/86: NTIS# PB87-186763. o PD 2/3 published 52 FR 37510 on 10/7/87: NTIS# PB88-161203. o PD 4 scheduled to be issued 10/88. FY 88.

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
AMITRAZ (Baam) (PM-12)	o Oncogenicity	o PD 1 published 42 FR 18299 on 4/6/77; comment period closed 7/18/77: NTIS# PB80-212046. o PD 2/3 completed and Notice of Determination published 44 FR 2678 on 1/12/79. Comment period closed 2/12/79. NTIS# PB80-211436. o PD 4 published 44 FR 32736 on 6/7/79; 44 FR 59938 on 10/7/79 (correction): NTIS# PB80-211428. . conditional registration approved for pears but not for apples. . registrants submitted an oncogenicity study in 1/84 and will collect additional benefits data. . tolerance for pears approved 12/6/79.
BENOMYL (PM-21)	o Reduction in non-target o Mutagenicity o Teratogenicity o Reproductive Effects o Hazard to Wildlife	o PD 1 published 42 FR 61788 on 12/6/77; comment period closed 1/23/78. (NTIS # not available) o PD 2/3 completed and Notice of Determination published 44 FR 51166 on 8/30/79; comment period closed 9/28/79: NTIS# PB87-119087. o PD 4 completed and Notice of Determination published 47 FR 46747 on 10/20/82. NTIS# PB83-148189. The Notice requires use of either cloth or commercially available disposable dust masks by mixer/loaders of benomyl intended for aerial application and that registrants of benomyl products conduct field monitoring studies to identify residues that may enter

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
BENOMYL (cont'd) (PM-21)	o Reduction in non-target o Mutagenicity o Teratogenicity o Reproductive Effects	aquatic sites after use on rice o Registrant completed field monitoring study and submitted to Agency 11/84. Study presently under review.
CADMIUM (PM-21)	o Oncogenicity o Mutagenicity o Teratogenicity o Fetotoxicity	o PD 1 published 42 FR 56574 on 10/26/77; comment period closed 2/10/78: NTIS# PB87-18137. o PD 2/3 published 51 FR 36524 on 10/10/86; comment period closed 11/24/86: NTIS# PB87-175782. o PD 4 published 52 FR 31076 on 8/19/87 FY 87: NTIS# PB87-228490.
CAPTAFOL (Special Review Br.)	o Oncogenicity o Wildlife Effects (acute and chronic)	o PD 1 published 50 FR 1103 on 12/9/84; comment period closed 1/31/85: NTIS# PB85-175495. Press release published on 1/3/85. o All registrations voluntarily cancelled as of 5/15/87. o Proposed decision to terminate special review published 52 FR 27576 on 7/22/87. o Final decision to terminate special review published 53 FR 33535 on 8/31/88.
CARBON TETRACHLORIDE (PM-16)	o Oncogenicity o Toxic effects on liver and kidney	o PD 1 published 45 FR 68534 on 10/15/80; comment period closed 11/24/80: NTIS# PB81-121782. o Notice of Intent to Cancel was issued 4/86. o Final decision document published 51 FR 21811 on 1/12/86. (NTIS # not available)

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
CARBON TETRACHLORIDE (cont'd) (PM-16)	o Oncogenicity o Toxic effects on liver and kidney	o Proposed tolerance revocation published 52 FR838202 on 10/14/87. o Final tolerance revocation scheduled in late 1988.
CHLOROBENZILATE (PM-12)	o Oncogenicity o Testicular Effects	o PD 1 published 41 FR 21517 on 5/26/76; comment period closed 7/28/76. (NTIS # not available) o PD 2/3 published 43 FR 29824 on 7/11/78; comment period closed 8/10/78: NTIS# PB80-213887. o PD 4 and Notice of Intent to Cancel published 44 FR 9547 on 2/13/79. NTIS# PB80-213929. o All uses except citrus were cancelled.
COAL TAR AND CREOSOTE (non-wood use) (PM-23)	o Oncogenicity o Mutagenicity	o PD 1 published 43 FR 48154 on 10/18/78; comment period closed 12/4/78: NTIS# PB80-213879. o PD 2/3 published 49 FR 33328 on 8/22/84; comment period closed 10/20/84. (NTIS # not available) o PD 4 published 50 FR 41943 on 11/15/85. (NTIS # not available)
CREOSOTE (wood use) (PM-21)	o Oncogenicity o Mutagenicity	o PD 1 published 43 FR 48154 on 10/18/78; comment period closed 9/30/78. o PD 2/3 published 46 FR 13020 on 2/19/81; comment period closed 5/20/81: NTIS# PB82-229956.

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
CREOSOTE (wood use) (PM-21) (cont'd)	o Oncogenicity o Mutagenicity	o At 4/14/83 public meeting, proposed conclusion presented. Comment period closed 5/13/83. o PD 4 published 46 FR 13020 on 7/13/84: NTIS# PB84-241538. o Subsequently, two Federal Register Notices were published: 49 FR 43772 on 10/31/84 and 50 FR 4269 on 1/30/85.
CYANAZINE (Special Review Br.)	o Teratogenicity	o PD 1 published 50 FR 6560 on 4/10/85; comment period closed 5/27/85: NTIS# PB87-117982. o PD 2/3 published 52 FR 589 on 1/17/87 comment period closed 3/9/87: NTIS# PB87-181400. o PD 4 published 53 FR 795 on 1/13/88 requiring label warning and protective clothing. (NTIS # unavailable)
DBCP 1,2-dibromo-3-chloropropane (PM-12)	o Oncogenicity o Reproductive Effects o Mutagenicity	o PD 1 published 42 FR 48026 on 9/22/77. Comment period closed 11/7/77: NTIS# PB87-181368. o Suspension Order and Notice of Intent to Cancel published 42 FR 57543 on 11/3/77. o Amended Notice of Intent to Cancel and PD 2/3/4 published 43 FR 40911 on 9/13/78. NTIS# PB80-213853. o Notice of Intent to Suspend All Products Issued published 44 FR 41783 on 7/18/79. o Suspension Order (presently in effect for all uses except pineapple) and

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
DBCP (cont'd) 1,2-dibromo 3-chloropropane	o Oncogenicity o Reproductive Effects o Mutagenicity	Notice of Intent to Cancel All Uses published 44 FR 65135 on 10/29/79. 9/30/78: NTIS# PB80-213879. o Agreement reached with registrants that all uses, except on pineapples, are cancelled. o Proposed Intent to Cancel DBCP Use on Pineapples published in 49 FR 1556 on 1/12/84. o Modified PD 4 published 50 FR 1122 on 1/9/85 to include cancellation notice. (NTIS # not available) o Press release published on 1/3/85.
DIALLATE (PM-25)	o Oncogenicity o Mutagenicity	o PD 1 published 42 FR 27669 on 5/31/77; comment period closed 9/9/77: NTIS# PB80-212863. o PD 2/3 completed and Notice of Determination published 45 FR 38437 on 6/9/80; comment period closed 7/9/80: NTIS# PB80-216849. o PD 4 published in 47 FR 27109 on 6/23/82: NTIS# PB87-118006. o Classifies current products for restricted use by certified applicators wearing protective clothing.
DIAZINON (PM-15)	o Avian Hazard	o PD 1/2/3 published 51 FR 1842 on 1/15/86; comment period initially closed 3/3/86 and then was extended to close 3/28/86 (51 FR 8813): NTIS# PB87-10185.

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
DIAZINON (cont'd) (PM-15)	o Avian Hazard	o PD 4 published 51 FR 35034 on 10/1/86. (NTIS # not available) o Amendment to PD 4 published 25 FR 5656 on 2/28/87. o Registrants, applicants and other adversely-affected parties requested a hearing to contest the requirements of the Notice. The hearing was completed by 4/88 and confirmed the PD 4 decision.
DICOFOL (PM-15)	o Ecological Effects	o PD 1 published 49 FR 10569 on 3/21/84; comment period closed 5/5/84: NTIS# PB84-160084. o PD 2/3 published 49 FR 39820 on 10/10/84; comment period closed 11/26/84: NTIS# PB-85-134153. o PD 4 published 51 FR 19508 on 5/29/86. (NTIS # not available)
DIMETHOATE (PM-16)	o Oncogenicity o Mutagenicity o Fetotoxicity o Reproductive Effects	o PD 1 published 42 FR 45806 on 9/22/77. Comment period closed 1/6/78. (NTIS # not available) o PD 2/3 completed and Notice of Determination published 44 FR 66558 on 11/19/79. Comment period closed 12/19/79. NTIS# PB80-213846. o PD 4 published 46 FR 5334 on 1/19/81: NTIS# PB81-172413. Registration Standard approved and signed 3/31/83.

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
DINOSEB (PM-23)	o Teratogenicity o Reprodutive Effects o Acute Effects	o Emergency Suspension Order/Notice of Intent to Cancel published 51 FR 36634 on 10/14/86. o As a result of a Subpart D hearing, the Agency modified the 10/7/86 Suspension Order to permit use of Dinoseb on dry peas, lentils, and chick peas in the States of Idaho and Washington during the 1987 growing season. A District Court order in Oregon permitted use also on green peas and snap beans in 1987 and 1988. Under a settlement agreement reached between EPA and the registrant in 5/88, use will also be aloowed on cranberries in 1989.
EBDC's Ethylenebis-dithiocarbamates, maneb, mancozeb, metiram, nabam, zineb, amobam, (PM-21)	o Oncogenicity o Teratogenicity o Hazard to Wildlife	o PD 1 published 42 FR 40618 on 8/10/77; comment period closed 12/23/77: NTIS# PB87-117990. o Decision Document and Final Determination published 47 FR 47669 on 10/27/82: NTIS# PB87-181350. Notice returned EBDC products to the registration process on condition that certain use precautions are added to the product labels and registrants agree to generate additional toxicological data.
ENDRIN (PM-15)	o Oncogenicity o Teratogenicity o Reduction in endangered species and nontarget species	o PD 1 published 41 FR 31316 on 7/27/76; comment period closed 11/4/76: NTIS# PB81-112690. o PD 2/3 published 43 FR 51132 on 11/2/78; comment period closed 12/4/78: NTIS# PB87-119921.

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
ENDRIN (cont'd) (PM-15)	o Oncogenicity o Teratogenicity o Reduction in endangered species and nontarget species	o PD 4 published (including cancellations) 44 FR 43631 on 7/25/79. NTIS# PB81-10980. o PD 4 follow-up notice sent 8/28/80. Cancellations by Velsicol on one technical and two end-use products began 30 days later. o Velsicol's last end-use product was voluntarily cancelled as of 8/1/85. o All remaining uses have been voluntarily cancelled effective 9/12/84.
EPN (Ethyl p-nitro phenyl thionobenzenephosphorate) (PM 12)	o Neurotoxicity o Hazard to Aquatic Organisms	o PD 1 published 44 FR 54384 on 9/19/79; comment period closed 12/29/79: NTIS# PB80-216815. o Determination to conclude RPAR pubpublished 48 FR 39494 on 8/31/83. (NTIS # not available) o Cancellation of mosquito larvacide use published 43 FR 39447 on 8/31/83. For all other uses, new label requirements imposed to reduce exposure to applicators and non-target organisms and reassess tolerances and chronic toxicity and re-entry. o Proposed Decision Not To Initiate Special Review published 52 FR 27453 on 7/21/87. o Final decision not to Initiate Special Review published 53 FR 48574 on 12/23/87. o All registrations voluntarily cancelled as of 7/24/87.

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
ETHALFLURALIN (PM-25)	o Oncogenicity	o PD's 1, 2/3, and 4 published 49 FR 511 on 1/4/84; comment period closes 12/1/85. (NTIS # not available)
ETHYLENE DIBROMIDE EDB (PM-32)	o Oncogenicity o Mutagenicity o Reproductive Effects	o PD 1 published 42 FR 63134 on EDB 12/14/77; comment period closed 4/3/78: NTIS# PB80-109456. o PD 2/3 published 45 FR 81586 on 12/10/81 comment period closed 3/9/82. NTIS# PB81-157851. o PD 4 published 48 FR 45956 on 10/7/83: NTIS# PB85-238004. o Emergency Suspension published 49 FR 4452 on 2/22/84: NTIS# PB85-235919. Uses to fumigate grain and grain milling equipment were suspended. o Proposed tolerances for EDB in grains published 49 FR 56 on 2/22/84. o Proposed tolerances for EDB in citrus and papayas published 49 FR 806 on 3/6/84. o Final tolerances for EDB in grains published 49 FR 17144 on 4/23/84. o Amendment to Notice of Intent to Cancel Registrations of Pesticide Products Containing EDB published 49 FR 70 on 4/10/84. o Final Revocation of Tolerances and Establishement of Interim Tolerances for EDB in Citrus and Papaya published 49 FR 103 on 5/25/84. o Proposed Revocation of Tolerances and Establishment of Interim Tolerances

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
ETHYLENE DIBROMIDE EDB (cont'd) (PM-32)	o Oncogenicity o Mutagenicity o Reproductive Effects	for EDB in Citrus and Papaya published 49 FR 103 on 5/25/84. o Proposed revocaton of Tolerances for Miscellaneous Commodities published 49 FR 156 on 8/10/84. o Interim tolerance for EDB in mangoes was published 9/29/86. Tolerance expired 9/30/87. o Papaya registration voluntarily cancelled as of 3/87. o Only remaining uses are citrus for export (use terminates at end of 1988/1989 harvest season), vault fumigation, and quarantine fumigation of nursery stock.
GOAL (PM-23	o Oncogenicity	o PD 1/2/3 published 46 FR 23490 on 4/27/81; comment period closed 5/11/81: NTIS# PB82-185133. o PD 4 published 47 FR 27118 on 6/23/82: NTIS# PB82-172289. o Decision made to continue use of the herbicide subject to certain restrictions (on PCE) pertaining to formulation of the product.
INORGANIC ARSENICALS (wood use) (PM-21)	o Oncogenicity o Mutagenicity o Teratogenicity	o PD 1 published 43 FR 42867 on 10/18/78; comment period closed 2/12/79. (NTIS # not available) o PD 2/3 published 46 FR 13020 on 2/19/81; comment period closed 5/20/81: NTIS# PB82-229956. o At 4/14/83 public meeting proposed con-

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
INORGANIC ARSENICALS (wood use) (cont'd) (PM-21)	o Oncogenicity o Mutagenicity o Teratogenicity	clusion presented. Comment period closed 5/15/83. o PD 4 published 49 FR 2866 on 7/13/84: NTIS# PB84-241538. o Subsequently, two Federal Register notices were published: 49 FR 43772 on 10/31/81 and 50 FR 4269 on 1/30/85.
LINDANE (PM-15)	o Oncogenicity o Teratogenicity o Reproductive Effects o Acute Toxicity o Other Chronic Effects	o PD 1 published 42 FR 9816 on 2/18/77. Comment period closed 6/20/77. NTIS# PB80-213861. o PD 2/3 published 45 FR 45362 on 7/3/80; comment period closed 9/15/80: PB87-165080. o PD 4 published 48 FR 48512-48522 on 10/19/83: NTIS# 165098. The decision cancels the indoor use of smoke fumigation devices and the use of dog dips to treat pests other than mites. All other uses will continue with use restrictions and label modifications. o Negotiated settlement on dog dips published 49 FR 26282 on 6/27/84. A settlement on smoke bombs published 50 FR 5425 on 2/8/85 to end sale of product by 5/31/86 for registrant and by 11/30/86 for retailer.
PCNB Pentachloronitrobenzene (PM-12)	o Oncogenicity	o PD 1 published 42 FR 61894 on 10/13/77; comment period closed 2/6/78: NTIS# PB80-216799. o Special review was terminated through negotiated agreement with registrants

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
PCNB (cont'd) Pentachloronitrobenzene ((PM-12)	o Oncogenicity	to reduce levels of the HCB contaminant and to make label changes to reduce exposure. Published 47 FR 18177 on 4/19/82.
PENTACHLOROPHENOL AND DERIVATIVES (wood use) (PM-21)	o Oncogenicity o Fetotoxicity o Teratogenicity	o PD 1 published 43 FR 48443 on 10/18/78; comment period closed 2/12/79: NTIS# PB81-109464. o PD 2/3 completed and Notice of Determination published 46 FR 13020 on 2/19/81; comment period closed 5/20/81. NTIS# PB82-229956. o At 4/14/83 public meeting proposed conclusion presented. Comment period closed 5/13/83. o PD 4 published 46 FR 13020 on 7/13/84: NTIS# PB84-241538. o Subsequently, two Federal Register notices were published: 49 FR 43772 on 10/31/84 and 50 FR 4269 on 1/30/85. o Amendment to PD 4 published 52 FR 2282 on 1/21/87. (NTIS # not available)
PRONAMIDE (PM-25)	o Oncogenicity	o PD 1 published 42 FR 32302 on 5/20/77. Comment period closed 8/29/77: NTIS# PB81-109472. o PD 2/3 completed and Notice of Proposed Determination published 44 FR 3083 on 1/15/79. Comment period closed 2/14/79: NTIS# PB80-213911. o PD 4 completed and Final Determination published 44 FR 61640 on

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
PRONAMIDE (cont'd) (PM-25)	o Oncogenicity	10/26/79: NTIS# PB81-112716. The following actions were taken: Cancellation of registration of products allowing hand spray applications, except for use on ornamentals and nursery stock; cancellation of registrations of products unless the registrant modifies the terms and conditions to allow certain uses of wettable powder products only by or under direct supervision of certified applicators; modification of labeling of wettable powder products to include specific general precautions, directions as to protective clothing to be worn, dilution instructions for wettable powder products, and watering instructions for granular products used on turf; and Agency revision of the lettuce tolerance from 2 ppm to 1 ppm from required residue data that was submitted.
SODIUM FLUORO-ACETATE (1080) (PM-16)	o Reduction in Non-target and Endangered Species o No Antidote	o PD 1 published 41 FR 52792 on 12/1/76; comment period closed 3/15/77. NTIS# PB80-216823. o PD 2/3 signed on 11/11/82 and re-signed on 6/29/83. Issuance of document was delayed until 6/83 to coincide with that of document addressing predator issues and was published 48 FR 50935 on 11/4/83. (NTIS # not available)

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
SODIUM FLUOROACETATE (1080) (cont'd) (PM-16)	o Reduction in Non-target and Endangered Species o No Antidote	o SAP reviewed PD 2/3 on 12/83 and final report on 7/3/84 following 6/12/84 SAP meeting. o PD 4 published 50 FR 31012 on 7/31/85: NTIS# PB87-116471.
STRYCHNINE/ STRYCHNINE SULFATE (PM-16)	o Reduction in Non-target and Endangered Species	o PD 1 published 42 FR 2713 on 1/13/77; comment period closed 3/15/77: NTIS# PB80-216807. o PD 2/3 completed and Notice of Determination published 45 FR 73602 on 11/5/80. Comment period closed 9/30/81. NTIS# PB81-123960. o PD 4 published 48 FR 48522 on 10/19/83. o (NTIS # not available) Decision cancels use of strychnine for control of prairie dogs and several other rodents and small mammals. All other uses will require label modifications. o Notice published 53 FR 6762 on 3/4/87 withdrawing partial cancellation of Strychnine-containing pesticides for prairie dog, ground squirrel, and meadow mouse control if certain modifications of terms and conditions of registration are made. Terms and conditions include: establishment of a State program for exclusive distribution and monitoring of Strychnine for use on prairie dogs; compliance with Black-Footed Ferret Survey Guidelines; and use of certain label statements.

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
2,4,5-T/SILVEX (PM-23)	o Oncogenicity o Teratogenicity o Fetotoxicity	o 2,4,5-T--PD 1 published 43 FR 17116 on 4/21/78; comment period closed 6/5/78: NTIS# PB80-212665. o 2,4,5-T--PD 2/3 published 44 FR 41536 on 7/17/79; comment period closed 8/16/79: NTIS# PB87-117685. o Silvex--PD 1/2/3 published 44 FR 41536 on 7/17/79; comment period closed 8/16/79: NTIS# PB80-213895. o Emergency Suspension Order and Notice of Intent to Cancel published 44 FR 15874 on 3/15/79. 2,4,5-T--NTIS# PB80-22592; Silvex--PB80 226376. o 2,4,5-T/Silvex--PD 4 published 44 FR 72316 on 12/13/79: NTIS# PB87-181384. o Cancellation Hearings began 3/14/80. o On 10/11/84, the Administrative Law Judge gave Union Carbide 30 days to determine if they want to defend 2,4,5-T/Silvex uses. Union Carbide and remaining companies withdrew from hearing and subsequently, all registrations were cancelled on 1/2/85.
THIOPHANATE METHYL (PM-21)	o Mutagenicity o Reduction in Non-target Species (Rebutted)	o PD 1 published 42 FR 61970 on 12/7/77; comment period closed 3/27/78: NTIS# PB80-216856. o PD 2/3 published 44 FR 58798 on 10/11/79; comment period closed 11/12/79. (NTIS # not available.) o PD 4 published 47 FR 46747 on 10/20/82: NTIS# PB83-148189.

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
TOXAPHENE (PM-12)	o Oncogenicity o Population reduction in non-target animal species organisms o Acute toxicity to aquatic organisms o Chronic effects to wildlife	o PD 1 published 42 FR 26860 on 5/27/77; comment period closed 6/13/77: NTIS# PB80-216732. o PD 2/3/4 published 47 FR 53784 on 11/29/82: NTIS# PB83-144204. o Notice applies to cancellation of registrations for most uses and continued registration of certain uses under specific terms and conditions. The continued uses are: corn, cotton, and small grain for specific insect infestation (emergency use only); pineapples and bananas for specific insects in Puerto Rico and the Virgin Islands only; and scabies treatments of cattle and sheep.
2,4,5-TRICHLOROPHENOL TCP (Special Review Br.)	o Oncogenicity o Fetotoxicity	o PD 1 published 42 FR 41268 on 9/15/78; comment period closed 11/17/78: NTIS# PB81-103111. o Some voluntary cancellations and reformulations being processed. o 3(c)(2)(B) letter issued in FY 85 requesting updated Confidential Statement of Formula and an analysis for dioxin contamination. o All uses have been voluntarily cancelled or suspended. o PD 2/3/4 published 52 FR 15549 on 4/29/87: NTIS# PB87-203113.

SPECIAL REVIEWS COMPLETED
(Final Determination)

CHEMICAL (Class of Chemicals) and RESPONSIBLE BRANCH	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	CURRENT STATUS
TRIFLURALIN (Treflan) (PM-23)	o Oncogenicity o Mutagenicity	o PD 1/2/3 published 44 FR 50911 on 8/30/79. Comment period closed 11/13/79. NTIS# PB80-213937. o PD 4 published 47 FR 33777 on 8/4/82. NTIS# PB82-263252. o Registrations allowed to continue if total N-nitrosamine contamination is kept below 0.5 ppm for technical products and below a figure based on below a figure based on Trifluralin content for formulated products.

CANCELLATIONS ISSUED PRIOR TO RPAR/SPECIAL REVIEW PROCESS

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CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
ALDRIN	o Carcinogenicity o Bio-accumulation o Hazard to Wildlife and other chronic effects	o 39 FR 37246 (10/18/74) (cancellation of all but termicide use).
CHLORDANE/HEPTACHLOR	o Carcinogenicity o Reductions in Non-target and endangered species	o 43 FR 12372 (3/24/78) (cancellation of all but termicide use).
CHLORDECONE Kepone	o Oncogenicity	o 42 FR 18885 (4/11/77) and 42 FR 38205 (7/27/77) NTIS# PB80-216773.
DDD (TDE)	o Carcinogenicity o Bio-accumulation o Hazard to Wildlife and other chronic effects	o 36 FR 5254 (3/18/71).
DDT	o Carcinogenicity o Bio-accumulation o Hazard to Wildlife and other chronic effects	o 37 FR 13369 (7/7/72) (cancellation of most uses).
DIELDRIN	o Carcinogenicity o Bio-accumulation o Hazard to Wildlife and other chronic effects	o 39 FR 37246 (10/18/74) (cancellation of all but termiticide use).

CANCELLATIONS ISSUED PRIOR TO RPAR/SPECIAL REVIEW PROCESS

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
MIREX	o Carcinogenicity o Bio-accumulation o Hazard to Wildlife and other chronic effects	o 41 FR 56703 (12/29/76).

FINAL ACTIONS
VOLUNTARY CANCELLATIONS

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
ACRYLONITRILE (three products)	o Oncogenicity o Teratogenicity o Neurotoxicity	o 43 FR 26310 (6/19/78).
ARSENIC TRIOXIDE	o Oncogenicity o Mutagenicity o Teratogenicity	o 42 FR 45944 (9/13/77) (some uses were cancelled).
BENZENE (all products)	o Oncogenicity o Mutagenicity and Blood Disorders	o Voluntary cancellations for all products was completed by 7/31/85.
BHC	o Oncogenicity	o 43 FR 31432 (7/21/78) NTIS# PB80-216781.
CAPTAFOL	o Oncogenicity	o All products voluntarily cancelled on 5/15/87.
CARBON TETRACHLORIDE	o Oncogenicity o Toxic effects on liver and kidneys	o 51 FR 21811 (1/12/86).
CHLORANIL	o Oncogenicity	o 42 FR 3702 (1/19/77).
CHLORDANE	o Oncogenicity	o 8/11/87 major registrant (Velsicol) agreed to cancel some termiticide products and withdraw all others unless indoor air monitoring studies showed no detectable levels. o 53 FR 11798 (4/8/88) announced cancellation of many termiticide products and termination of sale, distribution, and use (except by homeowners) as of

FINAL ACTIONS
VOLUNTARY CANCELLATIONS

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
CHLORDANE (cont'd)	o Oncogenicity	4/15/88. All remaining products are withdrawn or suspended under Section 3(c)(2)(B)
CHLORDIMEFORM	o Oncogenicity	o All products cancelled effective 2/19/89.
COPPER ACETOARSENITE	o Oncogenicity o Mutagenicity o Teratogenicity	o 42 FR 18422 (4/7/77).
COPPER ARSENATE (Basic) (all products)	o Oncogenicity	o 42 FR 18422 (4/7/77).
CYHEXATIN	o Teratogenicity	o All products voluntarily cancelled 9/25/87.
ENDRIN	o Reduction in Endangered Species and Non-Target Species	o 49 FR 42792 (10/24/84).
EPN	o Neurotoxicity o Hazard to Aquatic Organisms	o All products voluntarily cancelled on 7/24/87.
ERBON	o Oncogenicity o Teratogenicity o Fetotoxicity	o 45 FR 58770 (10/4/80).
HEPTACHLOR	o Oncogenicity	o 8/11/87 major registrant (Velsicol) agreed to cancel some termiticide products and withdraw all others unless indoor air monitoring

FINAL ACTIONS
VOLUNTARY CANCELLATIONS

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
HEPTACHLOR (cont'd)	o Oncogenicity	studies showed no detectable levels. o 53 FR 11798 (4/8/88) announced cancellation of many termiticide products and termination of sale, distribution, and use (except homeowner products) as of 4/15/88. All remaining products are withdrawn or suspended under Section 3(c)(2)(B).
ISOCYANURATES (some products)	o Kidney effects	o The Agency concluded in the Registration Standard that chlorchlorinated isocyanurates do not exceed the risk criteria for adverse effects in 40 CFR 154.7.
MONOCROTROPHOS	o Avian effects	o All products voluntarily cancelled 7/15/88.
MONURON (some products)	o Oncogenicity	o 42 FR 41320 (8/16/77).
NITROFEN (TOK)	o Teratogenicity o Mutagenicity o Oncogenicity	o All products voluntarily cancelled on 9/15/83.
OMPA Octamethylpyrophosphoramide	o Oncogenicity	o 41 FR 21859 (5/28/76).
PERTHANE (many products)	o Oncogenicity	o 45 FR 41694 (6/20/80).

FINAL ACTIONS
VOLUNTARY CANCELLATIONS

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
PHENARSAZINE CHLORIDE	o None	o 42 FR 59776 (11/21/77).
RONNEL (many products)	o Oncogenicity	o 51 FR 2953 (1/22/86).
SAFROLE	o Oncogenicity o Mutagenicity	o 42 FR 11039 (2/25/77). o 42 FR 16844 (3/30/77). o 42 FR 29957 (6/10/77).
SODIUM ARSENITE (two products)	o Oncogenicity o Mutagenicity o Teratogenicity	o 43 FR 48267 (10/18/78).
STROBANE	o Oncogenicity	o 41 FR 26607 (6/28/76).
TRYSBEN	o Oncogenicity	o 43 FR 5782 (2/9/78).

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
CACODYLIC ACID AND SALTS (PM-23)	o Oncogenicity o Mutagenicity o Teratogenicity	o Insufficient evidence to issue a Special Review. o Decision document published 47 FR 20376 on 5/12/82. (NTIS # not available.) Returned to the registration process in 12/81 with the stipulation that pursuant to FIFRA Section 3(c)(2)(B), data on the rate of dermal absorption be submitted, knapsack/hand sprayer applicators treating ditch banks and rights-of-way will wear respirators or masks, and labels recommend masks for homeusers employing knapsacks or hand sprayers. The data has been submitted and the Agency has not imposed labeling changes.
CARBARYL (PM-12)	o Oncogenicity o Mutagenicity o Teratogenicity	o Decision document published 45 FR 81869 on 12/12/80: NTIS# PB87-181301. The Agency has returned this compound to the registration process with the stipulation that the following measures be considered: (1) a Section 3(c)(2)(B) action that registrants remedy data gaps identified in pre-special review and (2) appropriate label changes be made to minimize exposure to Carbaryl. Both measures are being considered in the reregistration review of this chemical. o Registration Standard issued 3/30/84.

FINAL DETERMINATION ON PRE-SPECIAL REVIEWS
(Returned to the Registration Process)

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
CHLOROFORM Trichloromethane (PM-32)	o Oncogenicity	o PD 1 published 41 FR 14588 on 4/6/76; comment period closed 7/23/76. (NTIS # not available) o Decision Document published 48 FR 498 on 1/5/82: NTIS# PB82-240300. The Agency determined that applicator exposure had been reduced to a minimum as a result of label amendments. Also registrants were required to submit data to establish tolerances of permissible residues on raw agricultural commodities.
DIFLUBENZURON Dimilin (PM-17)	o Hazard to Wildlife	o Special Review action completed in 4/79. Decision Document issued 9/30/82: NTIS# PB87-187191. Registrant consented to restricted use. o Agency concluded that existing evidence does not support issuance of a Special Review and consequently, that a Special Review was not warranted.
MALEIC HYDRAZIDE MH (PM-25)	o Oncogenicity o Mutagenicity o Reproductive Effects	o PD 1 published 42 FR 56920 on 10/28/77; comment period closed 12/14/77: NTIS# PB80-216740. o Decision document published 48 FR 498 on 1/5/82: NTIS# PB82-240300. This action returned Maleic hydrazide and salts (K-MH, DEA-MH) to registration process. The Notice has been combined with Chloroform (see Chloroform). o All required data has been submitted to the Agency.

FINAL DETERMINATION ON PRE-SPECIAL REVIEWS
(Returned to the Registration Process)

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
MALEIC HYDRAZIDE MH (PM-25) (cont'd)	o Oncogenicity o Mutagenicity o Reproductive effects	o Registrants decided not to perform similar tests on DEA-MH and thus DEA-MH was suspended 11/81.
METHANEARSONATES includes Amine Methanearsonate, Calcium Acid Methanearsonate, Monoammonium Methanearsonate (MAMA), Monosodium Methanearsonate (MSMA) Disodium Methanearsonate (DSMA) (PM-23)	o Oncogenicity o Mutagenicity	o On 6/28/83 the pre-Special Review for Methanearsonate chemicals was completed and a decision memorandum was approved returning these chemicals to the normal registration process. The existing evidence was inadequate to initiate a Special Review for the chemicals. o 3(c)(2)(B) letter sent 9/26/83 requiring a chronic feeding, oncogenicity, teratology, and applicator exposure studies in order to determine if there are any risk concerns. o Company is presently conducting the studies.
NALED (PM-16)	o Mutagenicity o Fetotoxicity o Reproductive Effects	o Chemical returned to normal registration process on 6/30/83. Based on a review of all available data, no valid tests or definitive evidence exist which meet or exceed the Special Review risk criteria.
OBPA (10,10'-Oxybisphenoxarsine) (some uses) (PM-21)	o Arsenical Compound suspected: . Oncogenicity . Mutagenicity . Teratogenicity	o Decision Document issued 4/9/79. (NTIS # not available) Returned to the registration process due to no evidence of oncogenicity.

FINAL DETERMINATION ON PRE-SPECIAL REVIEWS
(Returned to the Registration Process)

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
PARAQUAT (PM-25)	o Emergency Treatment o Chronic Effects	o Decision document published 47 FR 45075 on 10/23/82: NTIS# PB87-181392. Outlines data gaps and voluntary cancellation of certain noncrop use sites.
PIPERONYL BUTOXIDE (PM-17)	o Oncogenicity	o Decision document published 47 FR 20376 on 5/12/82: NTIS# PB83-137901. Chemical returned to the registration process and a Section 3(c)(2)(B) notice requesting additional data issued on 9/30/82. o Agency has received commitments from certain registrants to conduct the required studies which are due 11/87.
ROTENONE (PM-17)	o Oncogenicity o Mutagenicity o Teratogenicity o Reproductive Effects o Chronic Toxicity o Significant Wildlife Populations Reductions o Acute Toxicity to Aquatic Wildlife	o Decision Document published 46 FR 36745 on 7/15/81. (NTIS # not available) Chemical returned to registration process based on finding no unreasonable adverse effects.
1081 (Fluoro-acetamide) (PM-16)	o Acute Toxicity to Mammalian and Avian Species o Reduction in endangered and non-target species o Acute Toxicity without antidote.	o PD 1 published 41 FR 52792 on 12/1/76: NTIS# PB80-216823. o PD 2 published 45 FR 13189 on 2/28/80 2/28/80. NTIS# PB80-216831. o Chemical returned to registration process with the restriction that it be used only in sewers.

FINAL DETERMINATION ON PRE-SPECIAL REVIEWS
(Returned to the Registration Process)

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
TERBUTRYN (PM-25)	o Oncogenicity o Mutagenicity o Reproductive Effects	o Decision Document published 47 FR 20376 on 5/12/82. (NTIS # not available) o Chemical returned to the registration process. Registrants agreed to change label to reduce applicator risk to acceptable levels.
TRIALLATE (PM-25)	o Oncogenicity o Mutagenicity	o Decision Document published 45 FR 92349 on 12/15/80. (NTIS # not available) The Agency determined that, in light of the low level of exposure, chemical should be returned to the registration process stipulating that a FIFRA 3(c)(2)(B) action to be initiated to obtain necessary toxicity data to evaluate its hazards. o 3(c)(2)(B) was issued on 6/15/84 to include the data needs.
S,S,S-TRIBUTYL PHOSPHOROTHRITHIOATE (PM-25)	o Neurotoxicity	o Decision Document published 47 FR 20376 on 5/12/82: NTIS# PB87-186789. o Returned to the registration process based on finding no potential unreasonable adverse effects. Registrants agreed to protective clothing requirement.
TRIBUTYL PHOSPHOROTRITHIOATE (PM-25)	o Neurotoxicity	o Decision Document published 47 FR 20376 on 5/12/82: NTIS# PB87-186797 o Returned to the registration process based on finding no potential unrea-

CHEMICAL (Class of Chemicals)	40 CFR 162.11 CRITERIA POSSIBLY MET OR EXCEEDED	DATE OF FR PUBLICATION AND NTIS PUBLICATION NUMBER
TRIBUTYL PHOSPHORO-THRITHIOATE (PM-25) (cont'd)	o Neurotoxicity	sonable adverse effects. Registrants agreed to protective clothing requirement.
TRICHLORFON (PM-16)	o Oncogenicity o Mutagenicity o Teratogenicity o Fetotoxicity o Reproductive Effects	o Removed from Pre-Special Review as it chemically relates to Dichlorvos. (See Dichlorvos.) o Existing evidence does not support issuance of a Special Review for this chemical. o On 9/29/82, similar action was taken on DDVP, a metabolite of Trichlorfon. o Registration Standard issued 7/19/84.

REGISTRATION STANDARDS DEVELOPMENT - DATA COLLECTION

SEPTEMBER 1988

CHEMICAL (Class of Chemicals)	RESPONSIBLE RD BRANCH/PM	TYPE OF CHEMICAL
AMMONIUM ARSENITE	I-R Branch/PM-12	Insecticide
CALCIUM ARSENATE	I-R Branch/PM-12	Insecticide
COPPER CHLORIDE (Basic)	H-F Branch/PM-21	Fungicide
NEOMYCIN SULFATE	H-F Branch/PM-21	Fungicide
SODIUM ARSENITE	I-R Branch/PM-12	Insecticide
SODIUM PYROARSENATE	H-F Branch/PM-23	Herbicide

REGISTRATION STANDARDS DEVELOPMENT - DATA EVALUATION AND DEVELOPMENT OF REGULATORY POSITIONS

SEPTEMBER 1988

CHEMICAL (Class of Chemicals)	RESPONSIBLE RD BRANCH/PM	TYPE OF CHEMICAL
CHLORDIMEFORM/ CHLORDIMEFORM HCL*	I-R Branch/PM-12	Insecticide
DIAZINON	I-R Branch/PM-15	Insecticide
DINOSEB	H-F Branch/PM-23	Herbicide
PARADICHLOROBENZENE	Disinfectants Br./PM-32	Disinfectant
PROPOXUR	I-R Branch/PM-12	Insecticide
RESMETRIN	I-R Branch/PM-17	Insecticide
ROTENONE	I-R Branch/PM-17	Insecticide
TETRACHLORVINPHOS	I-R Branch/PM-15	Insecticide
THIOPHANATE METHYL*	H-F Branch/PM-21	Fungicide
ZINEB	H-F Branch/PM-21	Fungicide

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*Final Draft Standard completed and out for public comment prior to finalization. Copies available from Information Services Branch, EPA/OPP (TS-757), Washington, D.C. 20460.

REGISTRATION STANDARDS - ISSUED

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
ACEPHATE (PM 16)	Insecticide	September 1987 NTIS# PB88-131362	9/22/87
ADBAC (HYAMINE 3500) (PM 31)	Disinfectant	September 1985 NTIS# PB86-169406	9/30/85
ALACHLOR (PM 25)	Herbicide	November 1984 NTIS# PB86-179835	11/21/84
ALDICARB (PM 12)	Insecticide	March 1984 NTIS# PB84-207653	3/30/84
ALDRIN (PM 15)	Inseticide	September 1986 NTIS# PB87-183778	6/29/86
ALIETTE (PM 21)	Fungicide	June 1983 NTIS# PB84-206564	6/30/83
ALLETHRIN (PM 17)	Insecticide	March 1988*	3/24/88
ALUMINUM PHOSPHIDE (PM 32)	Insecticide	November 1981 NTIS# PB82-137514 October 1986 (amended) NMTIS# PB87-117172	11/24/81 10/8/86
4-AMINIPYRIDINE (Avitrol) (PM 16)	Bird Chemosterilants Toxicants and Repellents	September 1980 NTIS# PB84-209907	9/30/80
AMITRAZ (Baam) (PM 12)	Insecticide	October 1987 NTIS# PB88-128665	10/28/87

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*NTIS number not available.

REGISTRATION STANDARDS - ISSUED

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
AMITROLE (PM 25)	Herbicide	March 30, 1984 NTIS# PB87-104766	3/30/84
AMMONIUM SULFAMATE (PM 25)	Herbicide	June 1981 NTIS# PB82-133570	8/5/81
ANILAZINE (PM 21)	Herbicide	December 1983 NTIS# PB84-168301	12/13/83
ARSENIC ACID (PM-23)	Herbicide	September 1986 NTIS# PB87-101572	9/3/86
ASPON (PM 16)	Insecticide	September 1980 NTIS# PB84-206549	9/30/80
ATRAZINE (PM 25)	Herbicide	September 1983 NTIS# PB84-149451	9/21/85
AZINPHOS-METHYL (Gunthion) (PM 12)	Insecticide	September 1986 NTIS# PB87-111779	9/11/86
BACILLUS THURINGIENSIS (PM 17)	Insecticide	August 1986*	8/22/86
BARIUM METABORATE (PM 22)	Fungicide	April 1983 NTIS# PB84-168376	6/27/83
BENDIOCARB (PM 12)	Insecticide	October 1987*	10/28/87

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*NTIS number not available.

REGISTRATION STANDARDS - ISSUED

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
BENOMYL (PM 21)	Fungicide	July 1987*	7/1/87
BENTAZON (and sodium form) (PM 25)	Herbicide	September 1985 NTIS# PB86-159653	9/28/85
BIFENOX (PM 25)	Herbicide	June 1981 NTIS# PB83-138818	8/12/81
BKLFI-2 (PM 32)	Disinfectant	December 1981*	12/29/81
BORIC ACID (PM 16)	Insecticide	November 1985 NTIS# PB87-101903	2/13/86
BROMACIL & SALTS (PM 25)	Herbicide	September 1982 NTIS# PB87-110276/AS	9/30/82
BROMINATED SALICYLANILIDES (3,5-Diabromosalicylanilide) (PM 32)	Disinfectant	August 1985 NTIS# PB86-168150	8/30/85
BUTOXICARBOXIME (PLANTPIN) (PM 12)	Insecticide	September 1981 NTIS# PB82-177585	9/30/81
BUTYLATE (PM 25)	Herbicide	September 1983 NTIS# PB85-147304	9/30/83
CAPTAFOL (PM 21)	Fungicide	October 1984 NTIS# PB87-104774	10/5/84

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*NTIS number not availale.

REGISTRATION STANDARDS - ISSUED

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
CAPTAN (PM 21)	Fungicide	March 1986 NTIS# PB86-181674	3/6/86
CARBARYL (PM 12)	Insecticide	March 1984 NTIS# PB84-232602	3/30/84
CARBOFURAN (PM 12)	Insecticide	June 1984 NTIS# PB87-105516	6/25/84
CARBOPHENOTHION (PM 16)	Insecticide	July 1984 NTIS# PB87-114229	7/31/84
CARBOXIN (VITAVAX®) (PM 21)	Fungicide	August 1981 NTIS# PB82-132994	8/12/81
CHLORAMBEN (PM 25)	Herbicide	August 1981 NTIS# PB82-134347	8/12/81
CHLORDANE (PM 15)	Insecticide	December 1986 NTIS# PB87-175816	12/29/86
CHLOROBENZILATE (PM 12)	Insecticide	December 1983 NTIS# PB85-107605	12/20/83
CHLORONEB (PM 21)	Fungicide	September 1980 NTIS# PB81-123804	9/30/80
CHLOROPICRIN (PM 32)	Insecticide	September 1982 NTIS# PB86-182094	9/28/82
CHLOROPROPHAM (PM 25)	Herbicide	December 1987 NTIS# PB88-169917	12/23/87

REGISTRATION STANDARDS - ISSUED

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
CHLOROTHALONIL (PM 21)	Fungicide	October 1984 NTIS# PB85-247245	10/26/84
CHLORPYRIFOS (PM 12)	Insecticide	September 1984 NTIS# 87-110284	9/28/84
CHLORSULFURON (Glean®) (PM 25)	Herbicide	September 1982 NTIS# PB81-1222505	9/30/82
CHROMATED ARSENICALS (PM 21)	Fungicide	September 1986 NTIS# PB87-114088	9/11/86
COAL TAR/CREOSOTE (PM 21)	Wood Preservative	October 1986*	10/1/86
COPPER CHLORIDE/NITRATES (PM 23)	Fungicide	May 1987 NTIS# PB87-190344	5/15/87
COPPER SULFATE (PM 23)	Fungicide	March 1986 NTIS# PB86-236767	3/21/86
COUMAPHOS (PM 15)	Insecticide	August 1981 NTIS# PB82-133357	9/4/81
CRYOLITE (PM 16)	Insecticide	June 1983 NTIS# PB84-211945	6/28/84
CYANAZINE (PM 25)	Herbicide	January 1985 NTIS# PB-175098	1/4/85

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*NTIS number not available.

REGISTRATION STANDARDS - ISSUED

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
CYCLOHEXIMIDE (PM 21)	Fungicide	September 1982 NTIS# PB84-211945	9/24/82
CYHEXATIN (PM 12)	Insecticide	June 1985 NTIS# PB86-173184	6/27/85
DACTHAL (PM 23)	Fungicide	June 1988*	6/30/88
DALAPON (PM 25)	Herbicide	July 1987 NTIS# PB88-112370	7/23/87
DAMINOZIDE (Alar) (PM 25)	Herbicide	June 1984 NTIS# PB87-104782	6/29/84
DCNA (PM 21)	Herbicide	September 1983 NTIS# PB84-210178	12/14/83
DDVP (PM 15)	Insecticide	September 1987 NTIS# PB88-131354	9/29/87
DEET (PM 17)	Insecticide	December 1980 NTIS# PB81-277722	12/2/80
DEMETON (PM-16)	Insecticide	February 1985 NTIS# PB86-168820	2/27/85
DIALIFOR (PM 16)	Insecticide	July 1981 NTIS# PB82-133638	7/31/81

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*NTIS number not available.

REGISTRATION STANDARDS - ISSUED

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
DIALLATE (PM 25)	Herbicide	March 1983 NTIS# PB85-144814	4/7/83
DICAMBA (PM 25)	Herbicide	September 1983 NTIS# PB84-243492	9/30/83
DICHLOBENIL (PM 25)	Herbicide	March 1987 NTIS# PB87-184834	3/23/87
DICHLONE (PM 21)	Fungicide	March 1981 NTIS# PB81-207383	3/16/81
DICOFOL (PM 12)	Insecticide	December 1983 NTIS# PB84-160084	12/30/83
DICROTOPHOS (Bidrin®) (PM 16)	Insecticide	April 1982 NTIS# PB82-204383	6/30/83
DIFLUBENZURON (Dimilin) (PM 17)	Insecticide	September 1985 NTIS# PB86-176500	9/10/85
DIMETHOATE (PM 16)	Insecticide	March 1983 NTIS# PB87-11-318	4/11/83
DIOXATHION (PM 15)	Insecticide	March 1983 NTIS# PB85-245033	4/7/83
DIPHENAMID (PM 25)	Herbicide	June 1987 NTIS# PB88-113162	6/30/87
DIPROPETRYN (PM 25)	Herbicide	June 1985 NTIS# PB86-171147	6/30/85

REGISTRATION STANDARDS - ISSUED

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
DIQUAT DIBROMIDE (PM 23)	Herbicide	June 1986 NTIS# PB87-105490	6/30/86
DISULFOTON (PM 15)	Insecticide	December 1984 NTIS# PB86-178167	12/31/84
DIURON (PM 25)	Herbicide	September 1983 NTIS# PB84-210327	9/28/83
DODINE (PM 31)	Disinfectant	February 1987*	2/20/87
ENDOSULFAN (PM 15)	Insecticide	March 1982 NTIS# PB82-243999	6/26/82
EPN (PM 12)	Insecticide	April 1987 NTIS# PB87-228474	4/30/87
EPTC (PM 25)	Herbicide	September 1983 NTIS# PB87-109427	9/30/83
ETHION (PM 16)	Insecticide	December 1982 NTIS# PB86-177565	12/23/82
ETHOPROP (PM 16)	Nematicide	June 1983 NTIS# PB84-210194	6/24/83
ETHOXYQUIN (PM 25)	Growth Regulator	March 1981 NTIS# PB-82-131418	3/31/81

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*NTIS number not available.

REGISTRATION STANDARDS - ISSUED

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
ETHYL PARATHION (PM 12)	Insecticide	September 1986 NTIS# PB87-152120	9/4/86
FENAMIPHOS (PM 21)	Fungicide	June 1987*	6/30/87
FENAMINOSULF (PM 21)	Fungicide	September 1983 NTIS# PB86-177573	9/30/83
FENITHROTHION (sumithion) (PM 16	Insecticide	July 1987 NTIS# PB86-191697	7/30/87
FENSULFOTHION (PM 15)	Insecticide	December 1983 NTIS# PB85-148963	12/22/83
FLUCHLORALIN (Basalin) (PM 25)	Herbicide	June 1985 NTIS# PB86-176476	6/30/85
FLUOMETURON (PM-25)	Herbicide	June 1985 NTIS# PB87-109435	6/30/85
FOLPET (PM 23)	Fungicide	June 1987 NTIS# PB87-232492	6/30/87
FONOFOS (PM 16)	Insecticide	March 1984 NTIS# PB84-210186	3/30/84
FORMALDEHYDE (PM 31)	Disinfectant	September 1986 NTIS# PB88-231543	9/11/86

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*NTIS number not available.

REGISTRATION STANDARDS - ISSUED

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
FORMETENATE HYDROCHLORIDE (PM 12)	Insecticide	September 1983 NTIS# PB84-141456	9/23/83
FUMARIN (Coumafuryl) (PM 16)	Rodent Toxicant and Anticoagulant	September 1982 NTIS# PB81-123812	10/21/80
GLYPHOSATE (PM 25)	Herbicide	July 1986 NTIS# PB87-103214	7/11/86
HELIOTHIS VIRUS (PM 17)	Insecticide	June 1984 NTIS# PB85-134393	6/30/84
HEPTACHLOR (PM 15)	Insecticide	December 1986 NTIS# PB87-175808	12/29/86
HEXAZINONE (Velpar) (PM 23)	Herbicide	February 1982 NTIS# PB87-110292	4/27/82
ISOPROPALIN (PM 25)	Herbicide	August 1981 NTIS #PB82-1312	8/5/81
LINDANE (PM 15)	Insecticide	September 1985 NTIS# PB86-175114	9/30/85
LINURON (PM 25)	Herbicide	July 1984 NTIS# PB85-149011	6/13/84
MAGNESIUM PHOSPHIDE (PM 32)	Insecticide	October 1986 (amended) NTIS# PB87-117172	10/8/86
MALEIC HYDRAZIDE (PM 25)	Herbicide	June 1988 NTIS# PB88-236849	6/30/88

REGISTRATION STANDARDS - ISSUED

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
MALATHION (PM 16)	Insecticide	February 1988 NTIS# PB88-184585	2/10/88
MANCOZEB (PM 21)	Fungicide	March 1987 NTIS# PB88-156419	3/31/87
MCPA (PM 23)	Herbicide	March 1982 NTIS# PB87-110326	6/30/82
METALAXYL (RIDOMIL®) (PM 21)	Fungicide	August 1981 NTIS# PB82-172297	8/31/81
METHAMIDOPHOS (MONITOR®) (PM 16)	Insecticide	September 1982 NTIS# PB87-109419	9/24/82
METHIDATHION (PM 12)	Insecticide	January 1983 NTIS# PB87-109401	1/14/83
METHIOCARB (PM 16)	Insecticide	March 1987 NTIS# PB87-190898	3/31/87
METHOMYL (PM 12)	Insecticide	September 1981 NTIS# PB82-180738	1/22/82
METHOPRENE (PM 17)	Insecticide	March 1982 NTIS# PB87-109443	3/31/82
METHYL BROMIDE (PM 32)	Disinfectant	August 1986 NTIS# PB87-105508	8/22/86
METHYL PARATHION (PM 12)	Insecticide	December 1986 NTIS# PB87-139432	11/19/86

REGISTRATION STANDARDS - ISSUED

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
METOLACHLOR (PM 23)	Herbicide	September 1980 NTIS# PB81-123280	9/30/80
METRIBUZIN (PM 25)	Herbicide	June 1985 NTIS# PB87-105482	6/30/85
MEVINPHOS (PM 16)	Insecticide	September 1985 NTIS# PB88-215249	3/28/88
MONOCROTOPHOS (PM 16)	Insecticide	September 1985 NTIS# PB86-173895	9/12/85
MONURON (PM 25)	Herbicide	June 1983 NTIS# PB85-201867	7/7/83
MONURON TCA (PM 25)	Herbicide	June 1983 NTIS# PB84-166669	7/7/83
NABAM (PM 21)	Fungicide	March 1987 NTIS# PB88-192745	3/31/87
NALED (PM 16)	Insecticide	June 1983 NTIS# PB84-158980	7/6/83
NAPHTHALENE (PM 32)	Insecticide	September 1981 NTIS# PB82-139437	11/9/81
NAPHTHALENEACETIC ACID AND ITS SALTS (PM 25)	Growth Regulator	August 1981 NTIS# PB82-131145	8/18/81
NAPTALAM (PM 25)	Herbicide	June 1985 NTIS# PB86-173861	6/30/85

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
NITRAPYRIN (PM 23)	Herbicide	June 1985 NTIS# PB86-176468	6/20/85
NORFLURAZON (PM 23)	Herbicide	December 1984 NTIS# PB86-135159	12/21/84
OBPA (10,10'-OXYBISPHENOXARSINE) (PM 21)	Fungicide	September 1981 NTIS# PB82-172271	10/27/81
ORYZALIN (PM 25)	Herbicide	June 1987*	6/30/87
OXAMYL (PM 12)	Insecticide	June 1987 NTIS# PB87-228102	6/30/87
OXYDEMETON-METHYL (PM 16)	Insecticide	September 1987*	9/29/87
PARAQUAT (PM 25)	Herbicide	June 1987 NTIS# PB87-228524	6/18/87
PCNB (PENTACHLORONITROBENZENE) (PM 21)	Fungicide	February 1987 NTIS# PB88-101126	2/5/87
PENDIMETHALIN (PROWL) (PM 25)	Herbicide	March 1985 NTIS# PB86-172814	4/9/85
PERFLUIDONE (PM 25)	Herbicide	September 1985 NTIS# PB86-173879	9/20/85

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*NTIS number not available.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
PHENMEDIPHAM (PM 25)	Herbicide	March 1987*	3/31/87
PHORATE (PM 16)	Insecticide	August 1984 NTIS# PB87-109383	8/30/84
PHOSALONE (PM 12	Insecticide	September 1981 NTIS# PB82-131731	9/18/81
PHOSMET (PM 17)	Insecticide	September 1986 NTIS# PB87-116620	9/29/86
PHOSPHAMIDON (PM 16)	Insecticide	December 1987 NTIS# PB-88174412	12/22/87
PICLORAM (PM 25)	Herbicide	March 1985 NTIS# PB86-173887	3/29/85
POTASSIUM BROMIDE (PM 32)	Disinfectant	September 1984 NTIS# PB86-106978	9/28/84
POTASSIUM PERMANGANATE (PM 32)	Disinfectant	August 1985 NTIS# PB86-173135	8/30/85
PROMETRYN PM 25)	Herbicide	March 1987 NTIS# PB87-184826	3/27/87
PRONAMIDE (PM 25)	Herbicide	April 1986 NTIS# PB87-103735	4/7/86

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*NTIS number not available.

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
PROPACHLOR (PM 25)	Herbicide	February 1985 NTIS# PB86-174182	2/11/85
PROPANIL (PM 25)	Herbicide	December 1987 NTIS# PB88-167010	12/23/87
PROPARGITE (PM 15)	Insecticide	September 1986 NTIS# PB87-139358	9/30/86
PROPHAM (PM 23)	Herbicide	March 1987 NTIS# PB87-202347	3/23/87
SIMAZINE (PM 23)	Herbicide	March 1984 NTIS# PB84-212349	3/30/84
SODIUM AND CALCIUM HYPOCHLORITES (PM 32)	Disinfectant	January 1983 NTIS# PB87-103222	1/30/83
SODIUM OMADINE (PM 31)	Disinfectant	March 1985 NTIS# PB86-173929	7/16/85
SULFUR (PM 21)	Fungicide	December 1982 NTIS# PB86-102043	12/29/82
SULFURYL FLUORIDE (PM 32)	Disinfectant	June 1985 NTIS# PB86-173937	6/26/85
SULPROFOS (BOLSTAR) (PM 12)	Insecticide	August 1981 NTIS# PB82-133646	8/10/81
SUMITHRIN (PM 17)	Insecticide	November 1987 NTIS# PB88-156732	11/23/87

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
TEBUTHIURON (PM 25)	Herbicide	June 1987 NTIS# PB87-235016	6/14/87
TELONE (1,3-DICHLOROPROPENE) (PM 21)	Nematocide	September 1986 NTIS# PB87-111787	9/17/86
TEMEPHOS (Abate) (PM 16)	Insecticide	August 1981 NTIS# PB82-140641	9/25/81
TERBACIL (PM 25)	Herbicide	June 1982 NTIS# PB85-120186	6/4/82
TERBUFOS (PM 16)	Insecticide	June 1983 NTIS# PB84-210335	6/30/83
TERBUTRYN (PM 25)	Herbicide	September 1986 NTIS# PB87-143038	9/17/86
TERRAZOLE (PM 21)	Fungicide	September 1980 NTIS# PB81-126716	9/30/80
THIOPHANATE ETHYL (PM 21)	Fungicide	December 1985 NTIS# PB87-101283	12/31/85
THIRAM (PM 21)	Fungicide	July 1984 NTIS# PB85-102705	7/2/84
TPTH (TRIPHENYLTIN HYDROXIDE) (PM 21)	Fungicide	September 1984 NTIS# PB85-248797	9/30/84

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CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
TRICHLOROFON (PM 16)	Insecticide	June 1984 NTIS# PB85-149300	6/28/84
TRIFLURALIN (PM 23)	Herbcide	April 1987 NTIS# PB87-201935	4/8/87
TRIMETHACARB (LANDRIN) (PM 12)	Insecticide	September 1985 NTIS# PB86-169414	9/11/85
VENDEX (PM 12)	Insecticide	March 1987 NTIS# PB87-190690	3/31/87
WARFARIN (PM 16)	Rodent Toxicant and Anticoagulant	August 1981 NTIS# PB82-140716	10/26/81
ZINC PHOSPHIDE (PM 16)	Rodent Toxicant and Anticoagulant	June 1982 NTIS# PB85-102499	6/23/83
2 ETHYL 1,3 HEXANEDIOL(6-12) (PM 17)	Insecticide	June 1981 NTIS# PB81-234098	6/5/81

SECOND ROUND REVIEW

SEPTEMBER 1988

CHEMICAL & RESPONSIBLE PRODUCT MANAGER (PM) IN REGISTRATION DIVISION	TYPE OF CHEMICAL	DATE OF STANDARD & NTIS NOS.	DATE OF GUIDANCE PACKAGE
ALIETTE (PM 21)	Fungicide	December 1986*	12/31/86
CRYOLITE (PM 16)	Insecticide	May 1988*	5/26/88
ETHOPROP (PM 16)	Nematicide	June 1988*	6/30/88
HELIOTHIS VIRUS (PM 17)	Insecticide	June 1984 NTIS# PB85-134393	6/30/84
METALAXYL (Ridomil®) (PM 21)	Fungicide	March 1988*	3/28/88
METHOMYL (PM 12)	Insecticide	May 1988*	5/27/88
METHOPRENE (PM 17)	Insecticide	March 1982 NTIS# PB87-109443	3/31/82
METOLACHLOR (PM 23)	Herbicide	September 1986 NTIS# PB87-158853	9/30/86
PHOSALONE (PM 12)	Insecticide	November 1987*	11/23/87
SODIUM AND CALCIUM HYPOCHLORITES (PM 32)	Disinfectant	February 1986 NTIS# PB87-103222	2/8/86

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*NTIS number not available.

DATA CALL-IN STATUS OF CHEMICALS

The following chemical clusters are being processed through Data Call-In (DCI). These clusters are the same as described in the Federal Register notice on November 14, 1980 (45 FR 75488). An explanation of terms used to describe the status of a chemical is as follows:

"Notice Issued (date)": The notice/notification or equivalent was issued to indicate existing chronic data gaps.

"Decision Pending": The Agency has not evaluated all the responses and/or presently awaiting responses from registrants.

"Decision Reached": The Agency has evaluated all the responses from registrants requesting exemptions, waivers, commitments, offers to cost share, cancellations, suspensions, etc. and has issued final decisions on the data required and status of all registrations containing the chemical. The terms "chronic data being generated" or "chronic data waiver or deferral" are self explanatory. "Chronic data base complete" may mean that the data were available, recently submitted, or certain data requirements have been waived. The terms "cancelled", "suspended", and "no current registrations" mean that there are no known active registrations of the chemicals. The term "Defer requirements to Standard" means that the standard is planned to be developed within two years hence and the chronic requirements will be addressed in the standard.

The status of these clusters and the chemicals are as follows.

o Data Call-In Cluster #1 consists of insecticides used on corn, alfalfa and sorghum (I-2).

Chemical	Date of Notice	Type of Call-In	Status
Bufencarb	4/15/81	Chronic Toxicology	Decision reached - cancelled.
Carbofuran	2/23/81	Toxicology	Decision reached - chronic data base complete.
Carbophenothion	2/21/81	Toxicology	Decision reached - chronic data being generated.
Chlorpyrifos	1/9/81	Toxicology	Decision reached - chronic data base complete.
Disulfoton	2/27/81	Toxicology	Decision reached - chronic data being generated.
Ethoprop	2/4/81	Toxicology	Decision reached - chronic data base complete.
Fensulfothion	2/18/81	Toxicology	Decision reached - chronic data being generated.
Fonofos	2/17/81	Toxicology	Decision reached - chronic data being generated.

DATA CALL-IN STATUS OF CHEMICALS

Phorate	2/5/81	Chronic/Tox	Decision reached - chronic data being generated.
TEPP	1/28/81	Chronic/Tox	Decision reached - suspended/cancelled.
Terbufos	3/10/81	Chronic/Tox	Decision reached - no added data required.
Trichlorfon	4/14/81	Chronic/Tox	Decision reached - chronic data base complete.
Trimethacarb (Landrin)	1/6/81	Chronic/Tox	Decision reached - chronic data being generated.

- Data Call-In Cluster #2 consists of insecticides used on citrus and grapes (I-4).

Chemical	Date of Notice	Type of Call-In	Status
Chlorobenzilate	7/22/82	Chronic/Tox	Decision reached - chronic data being generated.
Cryolite	7/28/81	Chronic/Tox	Decision reached - chronic data deferred.
Dimethoate	11/28/81	Chronic/Tox	Decision reached - chronic data base being generated
Dioxathion	11/14/81	Chronic/Tox	Decision reached - defer requirements to standard.
Ethion	6/18/81	Chronic/Tox	Decision reached - chronic data being generated.
Formetanate hydrochloride	5/14/81	Chronic/Tox	Decision reached - defer requirements to standard.
Naled	4/3/81	Chronic/Tox	Decision reached - chronic data being generated.
Tetradifon	4/1/81	Chronic/Tox	Decision reached - product use pattern not subject to CORT requirements.

- Data Call-In Cluster #3 consists of insecticides used on cotton, soybeans, peanuts, wheat and tobacco (I-1).

Aldicarb	9/21/81	Chronic/Tox	Decision reached - chronic data base complete.
Bollex	8/31/81	Chronic/Tox	Decision reached - chronic data base complete.
Chlordimeform	1/19/82	Chronic/Tox	Decision reached - chronic data base complete.
Demeton	6/10/81	Chronic/Tox	Decision reached - no data required at this time.
Diflubenzuron	1/25/82	Chronic/Tox	Decision reached - chronic data base complete.
Endrin	12/7/81	Chronic/Tox	Decision reached - chronic data base complete.
EPN	5/31/85	Chronic/Tox	Decision reached - defer requirements to standard.
Fenvalerate	9/9/81	Chronic/Tox	Decision reached - chronic data base complete.
Gossyplure	6/2/81	Chronic/Tox	Decision reached - chronic data base complete.
Grandlure	6/1/81	Chronic/Tox	Decision reached - chronic data base complete.
Heliothis virus	5/27/81	Chronic/Tox	Decision reached - chronic data base complete.

DATA CALL-IN STATUS OF CHEMICALS

Methyl Parathion	9/30/81	Chronic/Tox	Decision reached - chronic data base complete.
Monocrotophos	9/30/81	Chronic/Tox	Decision reached - chronic data base complete.
Parathion	11/4/81	Chronic/Tox	Decision reached - chronic data being generated.
Permethrin	8/28/81	Chronic/Tox	Decision reached - chronic data base complete.
Phosphamidon	9/30/81	Chronic/Tox	Decision reached - chronic data being generated.
Toxaphene	7/18/84	Chronic/Tox	Decision reached - no added data required at this time.

- o Data Call-In Cluster #4 consists of herbicides used on corn (H-2).

Chemical			Status
Alachlor	1/5/82	Chronic/Tox	Decision reached - chronic data base complete.
Atrazine	7/26/82	Chronic/Tox	Decision reached - defer requirements to standard.
Butylate	12/10/81	Chronic/Tox	Decision reached - chronic data being generated.
Cyanazine	7/1/82	Chronic/Tox	Decision reached - defer requirements to standard.
Cyprazine	1/19/82	Chronic/Tox	Decision reached - Suspension/Cancellation.
Dicamba	9/28/82	Chronic/Tox	Decision reached - defer requirements to standard.
EPTC	10/29/81	Chrnoic/Tox	Decision reached - chronic data being generated.
Simazine	12/2/81	Chronic/Tox	Decision reached - defer requirements to standard.
TCBC	9/30/81	Chronic/Tox	Decision reached - cancelled/suspended.

- o Data Call-In Cluster #5 consists of herbicides used on soybeans, cotton, peanuts and alfalfa (H-3).

Acifluorfen	9/30/82	Chronic/Tox	Decision reached - chronic data base complete.
Bentazon	7/1/82	Chronic/Tox	Decision reached - chronic data base complete.
CAMA	9/26/83	Chronic/Tox	Decision reached - chronic data being generated.
DAMA	9/26/83	Chronic/Tox	Decision reached - chronic data being generated.
2,4-DB	5/22/85	Chronic/Tox	Decision reached - chronic data being generated.
Dichlofop methyl	4/20/82	Chronic/Tox	Decision reached - chronic data base complete.
Dinitramine	8/27/81	Chronic/Tox	Decision reached - suspended.
Dipropetryn	11/16/83	Chronic/Tox	Decision reached - defer requirements to standard.
DSMA	9/26/83	Chronic/Tox	Decision reached - chronic data being generated.
EGT	2/1/82	Chronic/Tox	Decision reached - cancelled.
Ethylene Glycol Bis(Trichloro-acetate	9/5/85	Chronic/Tox	Decision reached - chronic data not applicable.
Fluchloralin	12/1/82	Chronic/Tox	Decision reached - chronic data being generated.

DATA CALL-IN STATUS OF CHEMICALS

Glyphosate	8/11/82	Chronic/Tox	Decision reached - chronic data base complete.
Metribuzin	9/10/82	Chronic/Tox	Decision reached - chronic data base complete.
Naptalam	3/30/83	Chronic/Tox	Decision reached - defer requirements to standard.
Nitralin	1/27/82	Chronic/Tox	Decision reached - cancelled.
Norflurazon	7/25/83	Chronic/Tox	Decision pending - responses under review.
Oryzalin	9/28/82	Chronic/Tox	Decision reached - chronic data base complete.
Oxyfluoren	5/24/82	Chronic/Tox	Decision reached - chronic data base complete.
Pendimethalin	9/7/82	Chronic/Tox	Decision reached - chronic data base complete.
Perfluidone	9/13/82	Chronic/Tox	Decision reached - no added data required.
Profluralin	7/13/82	Chronic/Tox	Decision reached - cancelled.
Pronamide	10/27/82	Chronic/Tox	Decision reached - chronic data being generated.
Propachlor	1/19/83	Chronic/Tox	Decision reached - defer requirements to standard.
Vernolate	11/27/81	Chronic/Tox	Decision reached - chronic data being generated.

- Data Call-In Cluster #6 consists of fungicides used on vegetables (F-3).

Chemical	Date of Notice	Type of Call-In	Status
Anilazine	3/31/83	Chronic/Tox	Decision reached - defer requirements to standard.
Calcium Cyanamide	8/11/83	Chronic/Tox	Decision reached - cancelled.
DCNA	3/31/83	Chronic/Tox	Decision reached - defer requirements to standard.
Hexachlorophene	6/4/85	Chronic/Tox	Decision pending - responses under review.
Triadimefon	6/30/82	Chronic/Tox	Decision reached - chronic data base complete.

- Special Data Call-In Fungicide Project consists of certain large volume fungicides which will be processed through DCI and subject to comparative risk analysis.

Captafol	9/24/81	Chronic/Tox	Decision reached - defer requirements to standard.
Chlorothalonil	9/14/81	Chronic/Tox	Decision reached - chronic data base complete.
Copper (Bordeaux (mixture)	9/30/81	Chronic/Tox	Decision reached - chronic data not applicable.
Copper Carbonate	9/30/81	Chronic/Tox	Decision reached - chronic data not applicable.
Copper Naphthenate	9/28/81	Chronic/Tox	Decision reached - chronic data not applicable.
Copper Oxide	9/15/81	Chronic/Tox	Decision reached - chronic data not applicable.
Copper Oxychloride			Decision reached - chronic data not applicable.

DATA CALL-IN STATUS OF CHEMICALS

Copper Quinolinolate	9/15/81	Chronic/Tox	Decision reached - chronic data not applicable.
Copper Sulfate Basic	9/29/81	Chronic/Tox	Decision reached - chronic data not applicable.
Copper Sulfate Monohydrate	9/29/81	Chronic/Tox	Decision reached - chronic data not applicable.
Dinocap	9/1/81	Chronic/Tox	Decision reached - chronic data being generated.
Dodine	8/13/81	Chronic/Tox	Decision reached - chronic data base complete.
Ferbam	5/30/86	Chronic/Tox	Decision reached - chronic data base complete.
Folpet	9/1/81	Chronic/Tox	Decision reached - chronic data being generated.
Thiram	8/7/81	Chronic/Tox	Decision reached - chronic data base complete

Special Data Call-In Fumigant Project consists of certain large volume fumigants which will be processed through DCI and subject to comparative risk analysis.

Chemical			Status
Carbon disulfide	3/16/84	Chronic/Tox	Decision reached - cancelled/suspended.
Ethylene dichloride	7/2/81	Chronic/Tox	Decision reached - cancelled/suspended.
Methyl Bromide	7/21/81	Chronic/Tox	Decision reached - defer requirements to standard.

o RPAR Decision Data Call-In.

Benomyl	3/18/83	Chronic/Tox	Decision reached - defer requirements to standard.
EBDC's			
Amobam	1/17/83	Chronic/Tox	Decision reached - suspended.
Mancozeb	1/17/83	Chronic/Tox	Decision reached - chronic data being generated.
Maneb	1/17/83	Chronic/Tox	Decision reached - chronic data being generated.
Metiram	1/17/83	Chronic/Tox	Decision reached - chronic data being generated.
Nabam	1/17/83	Chronic/Tox	Decision reached - chronic data being generated.
Zineb	1/17/83	Chronic/Tox	Decision reached - suspended.
Piperonyl Butoxide	9/30/82	Chronic/Tox	Decision reached - chronic data being generated.
Treflan	8/25/82	Chronic/Tox	Decision reached - chronic data being generated.

DATA CALL-IN STATUS OF CHEMICALS

- Wood preservatives for industrial, commercial and marine use (R-7).

Chemical	Date of Notice	Type of Call-In	Status
Calcium Arsenate	9/28/84	Chronic/Tox	Decision reached - chronic and groundwater data being generated.
Potassium bifluoride	3/30/83	Chronic/Tox	Decision reached - defer requirements to standard.

- Fungicides used as seed treatments (F-5).

Chemical	Date of Notice	Type of Call-In	Status
Chloronitro-propane	7/13/83	Chronic/Tox	Decision reached - cancelled/discontinued.
Fenaminosulf	3/31/83	Chronic/Tox	Decision reached - defer requirements to standard.
Hexachloro-benzene	3/30/83	Chronic/Tox	Decision reached - defer requirements to standard.
PCNB	5/8/85	Chronic/Tox	Decision reached - defer requirements to standard.

- Preservatives, disinfectants, slimicides, unclassified uses (R-11).

Chemical	Date of Notice	Type of Call-In	Status
Abietylamine	6/24/83	Chronic/Tox	Decision reached - cancelled.
Chlorobenzene	3/30/83	Chronic/Tox	Decision reached - defer requirements to standard.
Chromic acid	3/29/83	Chronic/Tox	Decision reached - defer requirements to standard.
Dowicide 31,32	3/31/82	Chronic/Tox	Decision reached - defer requirements to standard.
Dowicil A-40	9/28/82	Chronic/Tox	Decision reached - defer requirements to standard.
Hexylene glycol	4/3/83	Chronic/Tox	Decision reached - defer requirements to standard.
Lime	3/31/83	Chronic/Tox	Decision reached - defer requirements to standard.
Nitrapyrin	3/29/83	Chronic/Tox	Decision reached - defer requirements to standard.
Potassium iodate	3/31/83	Chronic/Tox	Decision reached - defer requirements to standard.
Potassium permanganate	3/31/83	Chronic/Tox	Decision reached - defer requirements to standard.

- Insecticides used on fruit and nut trees excluding citrus and grapes (I-3).

Chemical	Date of Notice	Type of Call-In	Status
Azinphos methyl	8/4/83	Chronic/Tox	Decision reached - chronic data base complete.
Chloropropylate	8/15/83	Chronic/Tox	Decision reached - cancelled/discontinued.
Cyhexatin	6/17/83	Chronic/Tox	Decision reached - chronic data base complete.
Diazinon	2/18/83	Chronic/Tox	Decision reached - chronic data being generated.

Diamidofos	2/4/85	Chronic/Tox	Decision reached - no data required at this time.
Dormant oil	7/25/83	Chronic/Tox	Decision reached - no additional chronic data needed.
2-Naphthol & B-Naphthol	7/9/85	Chronic/Tox	Decision reached - cancelled/suspended.
Ovex	1/5/84	Chronic/Tox	Decision reached - cancelled/discontinued.
Phosmet	6/20/83	Chronic/Tox	Decision reached - chronic data being generated.
Propargite	9/28/82	Chronic/Tox	Decision reached - chronic data base complete.
Sodium Penta-chlorophenate	11/15/84	Chronic/Tox	Decision pending - responses under review.
Tetrasul	7/26/83	Chronic/Tox	Decision reached - cancelled/discontinued.
Vendex	8/6/83	Chronic/Tox	Decision reached - chronic data base complete.

o Herbicides used on sorghum, rice and small grains (H-4).

Chemical	Date of Notice	Type of Call-In	Status
Barban	8/26/83	Chronic/Tox	Decision reached - suspended.
Bromoxynil	3/28/83	Chronic/Tox	Decision reached - chronic data being generated.
Butachlor	3/10/83	Chronic/Tox	Decision reached - cancelled/discontinued.
Difenzoquat	8/4/83	Chronic/Tox	Decision reached - chronic data being generated.
Methazole	6/29/83	Chronic/Tox	Decision reached - defer requirements to standard.
Molinate	8/31/83	Chronic/Tox	Decision reached - chronic data base complete.
Oxadiazon	8/3/83	Chronic/Tox	Decision reached - defer requirements to standard.
Picloram	8/11/83	Chronic/Tox	Decision reached - defer requirements to standard.
Propanil	8/31/83	Chronic/Tox	Decision reached - chronic data being generated.
Propazine	8/31/83	Chronic/Tox	Decision reached - chronic data base complete.
Terbutryn	8/31/83	Chronic/Tox	Decision reached - chronic data being generated.
Triallate	6/15/84	Chronic/Tox	Decision reached - chronic and groundwater data being generated.

o Insecticides used on vegetables (I-5).

Bacillus thuringiensis	6/24/83	Chronic/Tox	Decision reached - biorational.
Malathion	2/29/84	Chronic/Tox	Decision reached - chronic data being generated.
Methoxychlor	5/23/84	Chronic/Tox	Decision reached - chronic data being generated.
Mevinphos	3/28/84	Chronic/Tox	Decision reached - cort data being generated.

Nicotine	8/30/83	Chronic/Tox	Decision reached - chronic data base complete.
Nicotine sulfate	8/30/83	Chronic/Tox	Decision reached - chronic data base complete.
Oxamyl	8/26/83	Chronic/Tox	Decision reached - chronic data base complete.
Oxydemeton methyl	8/11/83	Chronic/Tox	Decision reached - chronic data being generated.
Pirimicarb	3/29/83	Chronic/Tox	Decision reached - cancelled/discontinued.
Pirimiphos-ethyl	11/18/83	Chronic/Tox	Decision reached - defer requirements to standard.
Pirimiphos-methyl	7/5/85	Chronic/Tox	Decision reached - chronic data not applicable.
Rotenone	12/13/83	Chronic/Tox	Decision reached - no additional data required.
Ryanodine	11/30/83	Chronic/Tox	Decision pending - responses under review.
Sabadilla alkaloids	4/15/85	Chronic/Tox	Letter issued 4/15/85.

- Herbicides used on citrus, tree fruits, nuts, and sugar cane (H-5).

Chemical	Date of Notice	Type of Call-In	Status
Ametryn	8/15/83	Chronic/Tox	Decision reached - chronic data being generated.
Asulam	8/26/83	Chronic/Tox	Decision reached - chronic data base complete.
Dichlobenil	8/18/83	Chronic/Tox	Decision reached - chronic data being generated.
Hexazinone	--	Chronic/Tox	Decision reached - defer requirements to standard.
Napropamide	8/30/83	Chronic/Tox	Decision reached - chronic data base complete.
Paraquat	11/20/84	Chronic/Tox	Decision reached - defer requirements to standard.

- Herbicides used on vegetables and tobacco (H-9).

Bis (ethylxanthic Disulfide)	1/31/85	Chronic/Tox	Decision reached - chronic data being generated.
CDAA	12/15/83	Chronic/Tox	Decision reached - cancelled/suspended.
Chloroxuron	12/18/84	Chronic/Tox	Decision reached - cancelled.
Chlorpropham	12/20/83	Chronic/Tox	Decision reached - chronic data base complete.
Diphenamid	2/21/84	Chronic/Tox	Decision reached - defer requirements to standard.
Endothall	3/12/84	Chronic/Tox	Decision reached - chronic data base complete.
Merphos	5/15/85	Chronic/Tox	Decision reached - chronic data being generated
Nitrofen	11/28/83	Chronic/Tox	Decision reached - cancelled.
Prometryn	1/23/84	Chronic/Tox	Decision reached - defer requirements to standard.

DATA CALL-IN STATUS OF CHEMICALS

- Fungicides used on walnuts, pecans, almonds, apples, pears, peaches, cherries, plums, prunes, and grapes (F-2)

Chemical	Date of Notice	Type of Call-In	Status
Ammonium Polysulfide	8/6/83	Chron/Tox	Decision reached - suspended.
Dithianon	2/28/84	Chron/Tox	Decision reached - suspended.
2,2-Dithiobis-benzothiazole	11/18/83	Chron/Tox	Decision reached - cancelled/suspended.
Fentin hydroxide	11/4/83	Chron/Tox	Decision reached - defer requirements to standard.
Glyodin	2/22/84	Chron/Tox	Decision reached - cancelled/suspended.
Oxythioquinox	3/30/84	Chron/Tox	Decision reached - chronic data being generated.
Sodium Polysulfide	11/23/83	Chron/Tox	Decision reached - suspended.
Streptomycin	4/30/84	Chron/Tox	Decision reached - chronic data not applicable.
Ziram	2/28/84	Chron/Tox	Decision reached - chronic data being generated.

- Herbicides used on sugar beets, beans and peas (H-6).

Cycloate	3/28/84	Chron/Tox	Decision reached - chronic data being generated.
Dalapon	8/31/84	Chron/Tox	Decision reached - defer requirements to standard.
Desmedipham	1/6/84	Chron/Tox	Decision reached - chronic data being generated.
Dinoseb	9/28/84	Chron/Tox	Decision reached - chronic and groundwater data being generated.
Ethofumesate	11/25/83	Chron/Tox	Decision reached - chronic data being generated.
MCPB	--	--	Decision reached - chronic data requirements deferred pending receipt and evaluation of other data being required.
Pebulate	10/31/84	Chron/Tox	Decision reached - chronic and groundwater data being generated.
Phenmedipham	9/12/83	Chron/Tox	Decision reached - defer requirements to Standard.
Propham	1/17/84	Chron/Tox	Decision reached - defer requirements to Standard.
Pyrazon	1/25/83	Chron/Tox	Decision reached - chronic data being generated.
Sodium TCA	8/30/83	Chron/Tox	Decision reached - cancelled/suspended.

DATA CALL-IN STATUS OF CHEMICALS

- Herbicides used on drainage ditches, rights of way, forestry, and ponds (H-7).

Chemical	Date of Notice	Type of Call-In	Status
Acrolein	12/16/83	Chron/Tox	Decision reached - chronic data being generated.
Diquat Dibromide	11/30/84	Chron/Tox	Decision reached - chronic data base complete; groundwater data being generated.
Tebuthiuron	---	---	Decision reached - chronic data base complete.
2,3,6 Tri-chlorobenzoic Acid	---	---	Decision reached - awaiting response from registrant.
Fenac	8/22/83	Chron/Tox	Decision reached - chronic data being generated.
Karbutilate	2/21/84	Chron/Tox	Decision reached - cancelled/suspended.
MAMA	9/26/83	Chron/Tox	Decision reached - cancelled.
MSMA	9/26/83	Chron/Tox	Decision reached - chronic data being generated.
OAMA	9/26/83	Chron/Tox	Decision reached - chronic data being generated.
Prometon	8/22/83	Chron/Tox	Decision reached - chronic data being generated.

- Insecticides used as mosquito larvicides (I-12).

Chemical	Date of Notice	Type of Call-In	Status
Fenthion	10/31/84	Chron/Tox	Decision reached - chronic data base complete.
Kerosene	6/12/84	Chron/Tox	Decision reached - no additional data required.

- Insecticides used on livestock and domestic animals (I-6).

Chemical	Date of Notice	Type of Call-In	Status
Benzene	11/30/84	Chron/Tox	Decision reached - chronic data not applicable.
Benzyl Benzoate	11/28/84	Chron/Tox	Decision reached - no data required at this time.
Bomyl	11/25/83	Chron/Tox	Decision reached - product use pattern not subject
Bone oil	5/1/84	Chron/Tox	Decision pending - responses under review.
Butoxypolypropylene glycol	5/23/85	Chron/Tox	Decision pending - responses under review.
Chlorfenvinphos	1/19/84	Chron/Tox	Decision reached - chronic data being generated.
Crotoxyphos	8/31/84	Chron/Tox	Decision pending - responses under review.

Crufomate	8/12/83	Chronic/Tox	Decision reached - suspended.
Dichlorvos	3/23/83	Chronic/Tox	Decision reached - defer requirements to standard.
Diisobuthyl phenoxy-ethanol	3/29/85	Chronic/Tox	Decision reached - no data required at this time.
Diphenylamine	6/6/84	Chronic/Tox	Decision reached - chronic data base complete.
Famphur	11/25/83	Chronic/Tox	Decision reached - no data required at this time.
Lindane	2/17/84	Chronic/Tox	Decision reached - defer requirements to standard.
Linseed Oil	8/2/85	Chronic/Tox	Decision reached - chronic data not applicable.
Muscalure	1/17/84	Chronic/Tox	Decision reached - no additional data required.
Piperazine dihydro-chloride	11/23/83	Chronic/Tox	Decision reached - product use pattern not subject to CORT requirements.
Tabutrex	9/7/83	Chronic/Tox	Decision reached - cancelled/suspended.
Tetra-chlorvinphos	12/21/84	Chronic/Tox	Decision reached - chronic data being generated.

- o Insecticides used as fumigants and nematicides (I-9).

Chemical	Date of Notice	Type of Call-In	Status
Calcium Cyanide	12/21/84	Chronic/Tox	Decision pending - responses under review.
4-Chloropyridine n-oxide	9/21/84	Chronic/Tox	Decision reached - cancelled.
Carbon Disulfide	3/16/84	Chronic/Tox	Decision reached - cancelled/suspended.
Carbon Tetra-chloride	3/16/84	Chronic/Tox	Decision reached - cancelled/suspended.
Chloroform	11/28/83	Chronic/Tox	Decision reached - cancelled.
1,2-Dichloro-propane	11/30/84	Chronic/Tox	Decision reached - cancelled/suspended.
1,3-Dichloro-propene	7/5/84	Chronic/Tox	Decision reached - chronic and groundwater data being generated.
Epichlorhydrin	4/19/85	Chronic/Tox	Decision reached - chronic data not applicable.
Ethylene Dibromide	4/4/84	Chrnoic/Tox	Decision pending - responses under review.
Ethylene Dichloride	7/2/81	Chronic/Tox	Decision reached - cancelled/suspended.

DATA CALL-IN STATUS OF CHEMICALS

Ethylene Oxide	5/30/85	Chronic/Tox	Decision reached - chronic data base complete.
Ethyl Formate	4/15/85	Chronic/Tox	Decision reached - cancelled.
Fenamiphos	8/29/84		Decision reached - chronic and groundwater data being generated.
Fosthietan	8/31/84	Chronic/Tox	Decision reached - cancelled.
Hydrogen Cyanide	3/15/85	Chronic/Tox	Decision reached - no data required at this time.
Metam Sodium	9/28/84	Chronic/Tox	Decision reached - chronic and groundwater data being generated.
Methyl Bromide	7/21/81	Chronic/Tox	Decision reached - defer requirements to standard. being generated.
Methylene Chloride	3/16/84	Chronic/Tox	Decision reached - no data required at this time.
Propylene Oxide	8/30/85	Chronic/Tox	Letter sent 8/30/85.
Sulfotepp	7/27/85	Chronic/Tox	Decision reached - cancelled.

- o Insecticides used for termite control (I-10).

Chemical	Date of Notice	Type of Call-In	Status
Aldrin	2/23/84	Chronic/Tox	Decision reached - no additional data required.
Chlordane	2/23/84	Chronic/Tox	Decision reached - no additional data required.
Dieldrin	2/33/84	Chronic/Tox	Decision reached - no additional data required.
Heptachlor	2/23/84	Chronic/Tox	Decision reached - no additional data required.

- o Insecticides used on lawns, ornamentals, and forest trees (I-11).

Aminocarb	9/26/84	Chronic/Tox	Decision reached - groundwater data being generated.
Bacillus Popillae	12/17/84	Chronic/Tox	Decision reached - no data required at this time.
Fenitrothion	5/29/84	Chronic/Tox	Decision reached - chronic data being generated.
Oftanol	8/30/84	Chronic/Tox	Decision reached - groundwater data being generated.

- o Fungicides used on citrus (F-4).

Biphenyl	8/16/85	Chronic/Tox	Decision reached - chronic data base complete.
Sec-Butylamine	12/19/84	Chronic/Tox	Decision pending - responses under review.
Thiabendazole	8/31/84	Chronic/Tox	Decision reached - chronic and groundwater data complete.

DATA CALL-IN STATUS OF CHEMICALS

- Disinfectants used for medical, industrial, institutional, household, veterinary, poultry, and livestock use (R-8).

Chemical	Date of Notice	Type of Call-In	Status
Formaldehyde	9/18/84	Chronic/Tox	Decision reached - chronic data being generated.

- Plant regulators, defoliants, and desiccants used for all uses (R-10).

Cacodylic Acid	9/28/84	Chronic/Tox	Decision reached - chronic data being generated.
Cycocel	9/28/84	Chronic/Tox	Decision reached - chronic data base complete. no groundwater data required at this time.
Ethiofencarb	8/30/84	Chronic/Tox	Decision reached - cancelled.
Fosamine Ammonium	10/31/84	Chronic/Tox	Decision reached - no data required at this time.
Gibberellins	9/23/85	Chronic/Tox	Decision reached - chronic data being generated.
Maleic Hydrazide	11/20/84	Chronic/Tox	Decision reached - chronic data base complete.
Mefluidide	9/27/84	Chronic/Tox	Decision reached - groundwater data base complete
Sulfuric Acid	7/29/85	Chronic/Tox	Decision reached - chronic data not applicable.
Thidiazuron	10/31/84	Chronic/Tox	Decision reached - chronic data base complete.
S,S,S,-tributyl phosphorotrithioate	---	---	Decision pending - responses under review.

- Herbicides used on turf (H-8).

Bensulide	2/15/85	Chronic/Tox	Decision reached - chronic data being generated.
Butralin	12/19/84	Chronic/Tox	Decision reached - chronic data being generated.
Dazomet	10/28/84	Chronic/Tox	Decision reached - environmental fate data not applicable.
Mecoprop	9/28/84	Chronic/Tox	Decision reached - groundwater data being generated.
Siduron	10/28/84	Chronic/Tox	Decision reached - groundwater data being generated.
Terbutol	9/28/84	Chronic/Tox	Decision reached - cancelled/suspended.

- Insecticides used as domestic bug control and in food processing plants (I-8).

Allethrin	11/30/84	Chronic/Tox	Decision reached - chronic data being generated.
Amdro	9/9/85	Chronic/Tox	Decision reached - chronic data base complete.

DATA CALL-IN STATUS OF CHEMICALS

Ethylene Glycol Ester of Pinene	9/23/85	Chronic/Tox	Decision reached - cancelled.
MGK-264	6/25/85	Chronic/Tox	Decision reached - chronic data being generated.
Pyrethrins	9/27/85	Chronic/Tox	Decision reached - chronic data being generated.

o Herbicides used for unclassified uses (H-10).

Chemical	Date of Notice	Type of Call-In	Status
Ethylene	4/19/85	Chronic/Tox	Decision reached - no data required at this time.
Neburon	9/28/84	Chronic/Tox	Decision reached - cancelled/suspended.

o Molluscides and miscellaneous vertebrate control agents used for all uses (R-12).

Methiocarb (Mesurol)	9/28/84	Chronic/Tox	Decision reached - chronic data base complete. groundwater data being generated.

o Insecticides used for miscellaneous uses (I-13).

Mobam	9/28/85	Chronic/Tox	Decision reached - cancelled.
Lead Arsenate	10/31/84	Chronic/Tox	Decision reached - cancelled/suspended.
Sodium Arsenate	6/11/85	Chronic/Tox	Decision reached - chronic data not applicable.

o Chemicals used as food preservatives in food (R-6).

Acetic Acid	11/30/84	Chronic/Tox	Decision reached - no data required at this time.
Benzoic Acid	12/28/84	Chronic/Tox	Decision reached - chronic data not applicable.
Methyl P-Hydroxybenzoate	4/19/85	Chronic/Tox	Decision reached - chronic data not applicable.
Proxel	7/23/85	Chronic/Tox	Decision reached - chronic data not applicable.
Tributyltin Chloride	8/2/85	Chronic/Tox	Decision reached - chronic data not applicable.

o Chemicals used as sanitizers for use in dairies, food processing, restuarants, and air treatment (R-4).

Butanoic Anhydride	12/17/84	Chronic/Tox	Decision reached - chronic data not applicable.

DATA CALL-IN STATUS OF CHEMICALS

- Chemicals used as slimicides for use in pulp and paper cooling towers, and sugar mills (R-2).

Chemical	Date of Notice	Type of Call-In	Status
Copper zinc chromate	1/17/85	Chronic/Tox	Decision reached - suspended.

- Fungicides used on turf (F-9).

Iprodione	3/21/85	Chronic/Tox	Decision reached - chronic data being generated.
Thiophanate Methyl	9/26/85	Chronic/Tox	Decision reached - defer requirements to standard.

- Chemicals used as fungicides for use on post-harvest fruit and vegetables (F-6).

Isothan O	5/24/85	Chronic/Tox	Decision reached - chronic data not applicable.
Sodium Dehydroacetate	9/6/85	Chronic/Tox	Decision pending - responses under review.

- Chemicals used as fungicides for use on grain storage (F-7).

Isobutyric Acid	4/23/85	Chronic/Tox	Decision reached - cancelled.
Propionic Acid	9/18/85	Chronic/Tox	Decision reached - chronic data not applicable.

- Chemicals used as fungicides for use on ornamentals (F-8).

Triforine	8/28/85	Chronic/Tox	Decision reached - chronic data complete.

- Chemicals used as industrial preservatives for use in plastics, paints, textiles, paper and adhesives (R-1).

2,4,5-Trichlorophenol	1/31/85	Chronic/Tox	Decision reached - cancelled/suspended.

DATA CALL-IN STATUS OF CHEMICALS

- Chemicals used as insecticide synergists, surfactants, cheleating agents, and carriers (R-5).

Chemical	Date of Notice	Type of Call-In	Status
n-Propyl Isome	9/5/85	Chronic/Tox	Decision reached - suspended.

- Chemicals used as bird chemosterilants, toxicants, and repellants (R-13).

Polybutene	9/25/85	Chronic/Tox	Decision reached - chronic data not applicable.

Chemicals not previously designated in a chemical cluster.

Aramite	11/30/84	Chronic/Tox	Decision reached - chronic data not applicable.
Barium Metaborate	1/31/85	Chronic/Tox	Decision reached - no data required at this time.
Benfluralin	12/17/84	Chronic/Tox	Decision reached - chronic data being generated.
Bis (Tributyltin) Oxide	1/31/85	Chronic/Tox	Decision reached - chronic data being generated.
Butonate	2/12/85	Chronic/Tox	Decision reached - suspended.
2-Butoxyethanol	9/27/85	Chronic/Tox	Decision reached - cancelled/suspended.
Chlorbenside	11/28/84	Chronic/Tox	Decision reached - no data required at this time.
Chlorbromuron	12/18/84	Chronic/Tox	Decision reached - no data required at this time.
Chlorosulfamic Acid	5/14/85	Chronic/Tox	Decision reached - chronic data not applicable.
Chlorotoluene	3/29/85	Chronic/Tox	Decision reached - no data required at this time.
Chromated Zinc Chloride	12/26/84	Chronic Tox/	Decision reached - no data required at this time.
Cloprop	1/28/85	Chronic Tox	Decision reached - chronic data being generated.
Colletotrichum Gloeosporiiodes	2/28/85	Chronic/Tox	Decision reached - no data required at this time.
Copper Chromate	1/31/85	Chronic/Tox	Decision reached - cancelled/suspended.
Copper Linoleate	12/17/84	Chronic/Tox	Decision reached - no data required at this time.

DATA CALL-IN STATUS OF CHEMICALS

Copper Sulfate Pentahydrate	12/31/84	Chronic/Tox	Decision reached - chronic data not applicable.
4-CPA	12/31/84	Chronic/Tox	Decision reached - no data required at this time.
Diamidofos	2/4/85	Chronic/Tox	Decision reached - no data required at this time.
O-O-Diethyl-o-phenylphosphorothioate	3/29/85	Chronic/Tox	Decision reached - no data required at this time.
Dimethyl Formamide	3/29/85	Chronic/Tox	Decision reached - no data required at this time.
2-6-Dimethyl-4-Tri-decyclomorpholine	3/29/85	Chronic/Tox	Decision reached - no data required at this time.
Dipropyl Isocinchomeronate	3/13/85	Chronic/Tox	Decision reached - chronic data being generated.
Ethiolate	3/29/85	Chronic/Tox	Decision reached - cancelled.
Ethylene Glycol	5/29/85	Chronic/Tox	Decision reached - chronic data not applicable.
Fluazifop-butyl	3/28/85	Chronic/Tox	Decision reached - chronic data base complete.
Fluorodifen	3/29/85	Chronic/Tox	Decision reached - cancelled.
Glyphosine	4/11/85	Chronic/Tox	Decision reached - cancelled.
Harvade	1/28/85	Chronic/Tox	Decision reached - chronic data base complete.
(z)-11-Hexadecenal	3/20/85	Chronic/Tox	Decision reached - no data required at this time.
Hirsutella Thompsonii	3/20/85	Chronic/Tox	Decision reached - no data required at this time.
Hydrogenated Castor Oil	4/11/85	Chronic/Tox	Decision reached - chronic data not applicable.
Imazalil	3/26/85	Chronic/Tox	Decision reached - chronic data base complete.
3-Iodo-z-propynl Buthylcarbamate	12/26/84	Chronic/Tox	Letter issued 12/26/84.
Magnesium Arsenate	4/23/85	Chronic/Tox	Decision reached - chronic data not applicable.
Manganeous Dimethyldithiocarbamate	4/23/85	Chronic/Tox	Decision reached - cancelled.
Mepiquat Chloride	2/14/85	Chronic/Tox	Decision reached - chronic data being generated.
2-(1-Methylethoxy phenol methylcarbamate	4/19/85	Chronic/Tox	Decision reached - chronic data base complete.

DATA CALL-IN STATUS OF CHEMICALS

Methyl Isothiocyanate	6/4/85	Chronic/Tox	Decision reached - chronic and groundwater data being generated.
Metobromuron	12/21/84	Chronic/Tox	Decision reached - suspended.
Mineral Oil	9/27/85	Chronic/Tox	Decision reached - no data required at this time.
MV-678	6/11/85	Chronic/Tox	Decision reached - chronic data not applicable.
b-Naphthoxy Acetic Acid	5/23/85	Chronic/Tox	Decision pending - responses under review.
Neodecanoic Acid	7/23/85	Chronic/Tox	Decision reached - chronic data not applicable.
Nosema Locustae	4/19/85	Chronic/Tox	Decision reached - chronic data not applicable.
(E,Z)-3,13-Octadecadien-ol-acetate	6/11/85	Chronic/Tox	Decision reached - chronic data not applicable.
(Z,Z)-3,13-Octadecadien-ol-acetate	6/11/85	Chronic/Tox	Decision reached - chronic data not applicable.
Octhilinone	8/16/85	Chronic/Tox	Decision reached - no data required at this time.
Orthophenylphenol	10/28/84	Chronic/Tox	Decision reached - chronic data being generated.
Oxytetracycline Hydrochloride	6/11/85	Chronic/Tox	Decision reached - chronic data base complete.
Pentane	9/27/85	Chronic/Tox	Decision reached - cancelled/suspended.
Perthane	12/31/84	Chronic/Tox	Decision reached - cancelled/suspended.
Phytophthora Palmivora	5/13/85	Chronic/Tox	Decision reached - chronic data not applicable.
Pine Oil	9/30/85	Chronic/Tox	Letter issued 9/30/85.
Plant Volatiles/ Pheromone	7/5/85	Chronic/Tox	Decision reached - chronic data not applicable.
Polyamide Polymer	9/27/85	Chronic/Tox	Decision reached - chronic data not applicable.
Potassium Arsenite	7/5/85	Chronic/Tox	Decision reached - chronic data not applicable.
Potassium Oleate	9/27/85	Chronic/Tox	Decision reached - chronic data not applicable.
Potassium Sorbate	8/7/85	Chronic/Tox	Decision reached - no data required at this time.
Profenofos	9/9/85	Chronic/Tox	Decision reached - chronic data base complete.
Propargl Bromide	5/8/85	Chronic/Tox	Decision reached - chronic data not applicable.
Ronnel	2/25/85	Chronic/Tox	Decision reached - cancelled/suspended.
Schradan	7/23/85	Chronic/Tox	Decision reached - chronic data not applicable.

DATA CALL-IN STATUS OF CHEMICALS

Secbumeton	3/26/85	Chronic/Tox	Decision reached - chronic data not applicable.
Sesone	9/9/85	Chronic/Tox	Decision reached - no data required at this time.
Sethoxydim (ISO)	6/25/85	Chronic/Tox	Decision reached - chronic data base complete.
Sodium Chlorate	1/14/85	Chronic/Tox	Decision reached - subchronic data being generated.
Sodium Diacetate	8/28/85	Chronic/Tox	Decision reached - chronic data not applicable.
Sodium Propionate	8/27/85	Chronic/Tox	Decision reached - chronic data not applicable.
Sodium Tetrachlorophenate	1/31/85	Chronic/Tox	Decision reached - suspended.
Sulfallate	1/14/85	Chronic/Tox	Decision reached - suspended.
Sulfur Dioxide	8/28/85	Chronic/Tox	Decision reached - chronic data not applicable.
Sulphenone	7/29/85	Chronic/Tox	Decision reached - chronic data not applicable.
Tartar Emetic	9/23/85	Chronic/Tox	Decision reached - cancelled/suspended.
TCMTB	4/14/85	Chronic/Tox	Decision reached - chronic data being generated.
Terbuthylazine	9/9/85	Chronic/Tox	Decision reached - chronic data base complete.
Terpene Polychlorinates	7/31/85	Chronic/Tox	Decision reached - chronic data not applicable.
Tetrachloroethylene	1/28/85	Chronic/Tox	Decision reached - suspended.
1,2,4,5-Tetrachloro-3-nitrobenzene	9/23/85	Chronic/Tox	Letter issued 9/23/85.
Tetrachlorophenol	1/31/85	Chronic/Tox	Letter issued 1/31/85.
Tetraiodoethylene	9/6/85	Chronic/Tox	Decision reached - suspended.
Thiobencarb	7/5/85	Chronic/Tox	Decision reached - chronic data base complete.
Thionazin	4/11/85	Chronic/Tox	Decision reached - chronic data not applicable.
2,3,6-Trichlorophenylacetic Acid	9/27/85	Chronic/Tox	Decision reached - cancelled/suspended.
(E)-4-Tridecen-1-yl-acetate	7/5/85	Chronic/Tox	Decision reached - chronic data not applicable.
(Z)-4-Tridecen-1-yl-acetate	7/5/85	Chronic/Tox	Decision reached - chronic data not applicable.
2,3,5-Triiodobenzoic Acid	9/9/85	Chronic/Tox	Decision reached - cancelled.
Vinclozolin	2/4/85	Chronic/Tox	Decision reached - chronic data base complete.
Zinc Napthenate	2/26/84	Chronic/Tox	Decision pending - responses under review.

DATA CALL-IN STATUS OF CHEMICALS

Special Data Call-In Project involves reassessment of the registration status of particular fungicides which are used on crops.

Chemical	Date of Notice	Type of Call-In	Status
Amobam	1/17/83	Chronic/Tox	Decision reached - suspended.
Mancozeb	1/17/83	Chronic/Tox	Decision reached - data being generated.
Maneb	1/17/83	Chronic/Tox	Decision reached - data being generated.
Metiram	1/17/83	Chronic/Tox	Decision reached - data being generated.
Nabam	1/17/83	Chronic/Tox	Decision reached - data base complete.
Zineb	1/17/83	Chronic/Tox	Decision reached - suspended.

Special Data Call-In Project involves pesticides which may present a hazard for re-entry of fields after pesticide application.

Azinphos Methyl	2/28/85	Reentry	Decision reached - reentry protection data being generated.
Methyl Parathion	2/28/85	Reentry	Decision reached - reentry data base complete.
Mevinphos	2/28/85	Reentry	Decision reached - reentry data base complete.
Oxydemeton Methyl	2/28/85	Reentry	Letter issued 2/28/85.
Pentachloropehnol	11/15/85	Chronic/Tox	Decision reached - no data required at this time.
Phosmet	2/28/85	Reentry	Decision reached - defer requirements to standard.
Phosphamidon	2/28/85	Reentry	Decision reached - defer requirements to standard.

Special Data Call-In Groundwater Project consists of pesticide chemicals in groundwaters.

o Fungicides used for a broad spectrum of uses (F-1).

Copper Napthenate	12/26/84	Chronic/Tox	Decision pending - responses under review.
Copper Oleate	1/17/85	Chronic/Tox	Decision reached - no data required at this time.
Copper 8-Quinolionolate	12/26/84	Chronic/Tox	Decision pending - responses under review.
Dacthal	5/10/88	Groundwater	Decision pending - responses under review.

DATA CALL-IN STATUS OF CHEMICALS

Dalapon	6/7/88	Groundwater	Decision pending - responses under review.
EBDC			
Amobam	7/20/84	Groundwater	Decision reached - suspended.
Mancozeb	7/20/84	Groundwater	Decision reached - defer requirements to standard.
Maneb	7/20/84	Groundwater	Decision reached - groundwater data being generated.
Metiram	7/20/84	Groundwater	Decision reached - groundwater data being generated.
Nabam	7/20/84	Groundwater	Decision reached - no groundwater data required at this time.
Zineb	7/20/84	Groundwater	Decision pending - responses under review.
Fluometuron	6/14/88	Groundwater	Decision pending - responses under review.
Mancozeb	4/18/88	Groundwater	Decision pending - responses under review.
Maneb	4/25/88	Groundwater	Decision pending - responses under review.
Oxamyl	5/17/88	Groundwater	Decision pending - responses under review.
Prometon	9/28/88	Groundwater	Decision pending - responses under review.
Prometryn	6/21/88	Groundwater	Decision pending - responses under review.
Propazine	4/11/88	Groundwater	Decision pending - responses under review.
Sodium Chlorate	9/21/88	Groundwater	Decision pending - responses under review.
Tebuthiuron	5/24/88	Groundwater	Decision pending - responses under review.

- o Fungicides used on walnuts, pecans, almonds, apples, pears, peaches, cherries, plums, prunes, and grapes (F-2).

Chemical	Date of Notice	Type of Call-In	Status
2,2-Dithiobis-benzothiazole	11/18/83	Chron/Tox	Decision reached - cancelled/suspended.
Ferbam	5/31/84	Groundwater	Decision reached - groundwater data being generated.
Ziram	7/20/84	Groundwater	Decision reached - groundwater data being generated.

- o Fungicides used on vegetables (F-3).

Triadimefon	7/25/84	Groundwater	Decision reached - groundwater data base complete.

- o Herbicides used on soybeans, cotton, peanuts, and alfalfa (H-3).

Diclofop methyl	7/20/84	Groundwater	Decision reached - groundwater data base complete.
Dipropetryn			Decision reached - groundwater data being generated.

DMSA	7/25/84	Groundwater	Decision reached - groundwater data being generated.
Fluometuron	6/19/84	Groundwater	Decision reached - groundwater data being generated.
Metribuzin	7/25/84	Groundwater	Decision reached - groundwater data being generated.
Naptalam	10/31/84	Groundwater	Decision reached - groundwater data base complete.
Propachlor	5/31/84	Groundwater	Decision reached - defer requirements to standard.
Vernolate	7/25/84	Groundwater	Decision reached - groundwater data being generated.

o Herbicides used on sorghum, rice, and small grains (H-4).

Chemical	Date of Notice	Type of Call-In	Status
Bromoxynil	5/31/84	Groundwater	Decision reached - groundwater data base complete.
Difenzoquat	5/31/84	Groundwater	Decision reached - groundwater data base complete.
Molinate	5/31/84	Groundwater	Decision reached - groundwater data being generated.
Propanil	5/31/84	Groundwater	Decision reached - groundwater data being generated.
Propazine	7/18/84	Groundwater	Decision pending - responses under review.
Terbutryn	7/24/84	Groundwater	Decision reached - groundwater data being generated.

o Herbicides used on citrus, tree fruits, nuts, and sugarcane (H-5).

Ametryn	7/27/84	Groundwater	Decision reached - groundwater data being generated.
Asulam	6/28/84	Groundwater	Decision reached - groundwater data base complete.
Dichlobenil	6/21/84	Groundwater	Deicison reached - groundwater data base complete.
Napropamide	7/30/84	Groundwater	Decision reached - groundwater data being generated.

o Herbicides used on sugar beets, beans, and peas (H-6).

Cycloate	6/22/84	Groundwater	Decision reached - groundwater data being generated.
Desmedipham	7/30/84	Groundwater	Decision reached - groundwater data base complete.
Phenmedipham	7/20/84	Groundwater	Decision reached - groundwater data base complete.
Propham	7/18/84	Groundwater	Decision reached - groundwater data base complete.

o Herbicides used on drainage, ditches, rights-of-way, forestry, and ponds (H-7).

MSMA	7/25/84	Groundwater	Decision reached - groundwater data base complete.
Prometon	7/30/84	Groundwater	Decision reached - groundwater data being generated.

DATA CALL-IN STATUS OF CHEMICALS

- Herbicides used on vegetables and tobacco (H-9).

Chemical	Date of Notice	Type of Call-In	Status
CDAA	7/18/84	Groundwater	Decision reached - cancelled/suspended.
Chlorpropham	7/24/84	Groundwater	Decision reached - defer requirements to standard.
DCPA	7/20/84	Groundwater	Decision reached - groundwater data base complete.
Diphenamid	6/26/84	Groundwater	Decision reached - groundwater data being generated.
Endothall	7/27/84	Groundwater	Decision reached - groundwater data being generated.
Prometryn	7/18/84	Groundwater	Decision reached - groundwater datta base complete.

- Insecticides used on cotton, soybeans, peanuts, wheat, and tobacco (I-1).

Demeton	5/31/84	Groundwater	Decision reached - defer requirements to standard.
Diflubenzuron	7/27/84	Groundwater	Decision reached - defer requirements to standard.
Monocrotophos	6/19/84	Groundwater	Decision reached - defer requirements to standard.
Phosphamidon	5/31/84	Groundwater	Decision reached - defer requirements to standard.

- Insecticides used on corn, alfalfa, and sorghum (I-2).

Bufencarb	7/31/84	Groundater	Decision reached - cancelled.

- Insecticides used on fruit and nut trees, excluding citrus and grapes (I-3).

Diazinon	7/24/84	Groundwater	Decision reached - groundwater data base complete.
Dinocap	6/28/84	Groundwater	Decision reached - groundwater data being generated.
Phosmet	6/29/84	Groundwater	Decision reached - groundwater data being generated.

- Insecticides used on vegetables (I-5).

Mevinphos	7/23/84	Groundwater	Decision reached - groundwater data being generated.
Oxamyl	5/31/84	Groundwater	Decision reached - groundwater data being generated.
Oxydemeton-methyl	6/29/84	Groundwater	Decision reached - groundwater data base complete.

- Insecticides used for domestic bug control and in food processing plants (I-8).

Azinphos-methyl	7/25/84	Groundwater	Decision reached - groundwater data base complete.
Bendiocarb	9/28/84	Groundwater	Decision reached - defer requirements to standard.

DATA CALL-IN STATUS OF CHEMICALS

- Insecticides used as fumigants and nematicides (I-9).

Chemical	Date of Notice	Type of Call-In	Status
Methyl Bromide	5/16/84	Groundwater	Decision reached - groundwater data being generated.

- Plant regulators, defoliants, and desiccants used for all uses (R-10).

Cacodylic Acid	9/28/84	Groundwater	Decision reached - groundwater data base complete.
Cycocel	9/28/84	Groundwater	Decision reached - no groundwater data required at this time.
Maleic Hydrazide	11/20/84	Groundwater	Decision reached - groundwater data being generated.
Thidiazuron	10/31/84	Groundwater	Decision reached - groundwater data being generated.

- Molluscides and miscellaneous vertebrate control agents used for all uses (R-12).

Methiocarb (Mesural)	9/28/84	Groundwater	Decision reached - groundwater data base complete.

Special Data Call-In Project involving pesticides as a result of the ongoing special review of Inorganic Arsenicals (non-wood uses).

Arsenic Acid	2/10/86	---	Decision reached - defer requirements to standard.
Arsenic Trioxide	1/28/86	Prd&Rsd/Chem	Decision reached - chemistry data being generated. being generated.
Calcium Arsenate	1/28/86	Prd&Rsd/Chem	Decision pending - responses under review.
Copper Aceto-arsenite	1/28/86	Prd&Rsd/Chem	Decision reached - cancelled.
Lead Arsenate (Basic/ Standard)	1/28/86	Prd&Rsd/Chem	Decision reached - cancelled/suspended.
Sodium Arsenate	1/28/86	Prd&Rsd/Chem	Letter issued 1/28/86.
Sodium Arsenite	1/28/86	Prd&Rsd/Chem	Letter issued 3/4/86.

Special Data Call-In Project involving pesticides as a result of the 1955 Spray Residue Hearing.

Copper Carbonate	5/27/86	Prd&Rsd/Chem	Decision pending - responses under review.

DATA CALL-IN STATUS OF CHEMICALS

Copper Oxy-chloride	9/15/81	Prd&Rsd/Chem	Decision reached - defer requirements to standard.
Cuprous Oxide	5/27/86	Prd&Rsd/Chem	Decision reached - chemistry data being generated.
Ferbam	5/30/86	Prd&Rsd/Chem	Decision reached - chemistry data being generated.
Glyodin	5/27/86	Prd&Rsd/Chem	Decision reached - cancelled/suspended.
Methoxychlor	5/28/86	Prd&Rsd/Chem	Decision pending - responses under review.
MGK-264	5/27/86	Pre&Rsd/Chem	Decision reached - chemistry data being generated.
Nicotine	5/30/86	Prd&Rsd/Chem	Decision pending - responses under review.
Nicotine Sulfate	5/30/86	Prd&Rsd/Chem	Decision pending - responses under review.
Phenothiazine	5/30/86	Prd&Rsd/Chem	Decision reached - chemistry data being generated.
Piperonyl Butoxide	5/27/86	Prd&Rsd/Chem	Decision pending - responses under review.
Pyrethrin	5/27/86	Prd&Rsd/Chem	Decision reached - chemistry data being generated.
Rotenone	5/28/86	Prd&Rsd/Chem	Decision pending - responses under review.
Ryania	5/27/86	Prd&Rsd/Chem	Decision pending - responses under review.
Sabadilla Alkaloids	5/27/86	Prd&Rsd/Chem	Decision pending - responses under review.
Ziram	5/29/86	Prd&Rsd/Chem	Decision reached - chemistry data being generated.

Special Data Call-In Project involving pesticides to determine reentry intervals.

Chemical	Date of Notice	Type of Call-In	Status
Carbophenothion	5/27/86	Reentry	Decision pending - responses under review.
Diazinon	5/30/86	Reentry	Decision reached - data being generated.
Endosulfan	5/27/86	Reentry	Decision reached - data being generated.
Malathion	5/27/86	Reentry	Decision reached - no data required at this time.
Methiocarb (Mesurol)	5/27/86	Reentry	Decision reached - defer requirements to standard.
Oxamyl	5/27/86	Reentry	Decision reached - defer requirements to standard.
Propargite	5/22/86	Reentry	Decision reached - defer requirements to standard.

Comprehensive Data Call-In Project involving pesticides for which Registration standards have not been issued.

Acrolein	5/6/88	Part 158	Decision pending - responses under review.
Ametryn	4/4/88	Part 158	Decision pending - responses under review.

DATA CALL-IN STATUS OF CHEMICALS

Chlorfenvinphos	12/17/87	Part 158	Decision pending - responses under review.
Chromic Acid	8/9/88	Part 158	Decision pending - responses under review.
Indole-3-butyric acid	6/28/88	Part 158	Decision pending - responses under review.
Maneb	4/1/87	Part 158	Decision reached - data being generated.
Merphos	8/26/88	Part 158	Decision pending - responses under review.
Metam Sodium	7/12/88	Part 158	Decision pending - responses under review.
Methazole	4/1/87	Part 158	Decision reached - data being generated.
Methylene Chloride	9/29/88	Part 158	Decision pending - responses under review.
Metiram	4/1/87	Part 158	Decision reached - data being generated.
Molinate	11/30/87	Part 158	Decision pending - responses under review.
P-chlorophenyl diiodomethyl sulfone	9/28/88	Part 158	Decision pending - responses under review.
Permethrin	5/31/88	Part 158	Decision pending - responses under review.
Thiabendazole	3/24/88	Part 158	Decision pending - responses under review.
Triallate	2/22/88	Part 158	Decision pending - responses under review.
Zineb	4/1/87	Part 158	Decision reached - data being generated.
Ziram	3/14/88	Part 158	Decision reached - responses under review.

Special Data Call-In Project involving certain Pestides (Diphenyl ethers) with the potential to be leached into groundwater.

Acifluorfen	8/25/87	Groundwater	Decision reached - groundwater data being generated.
Diclofop methyl	8/25/87	Groundwater	Decision reached - groundwater data being generated.
Fluazifop-butyle	8/25/87	Groundwater	Decision pending - responses under review.
Lactofen	8/25/87	Groundwater	Decision reached - groundwater data being generated.

PESTICIDE PROGRAM ACCOMPLISHMENTS IN FY 88*
(Comparison of RD FY 87/88 Statistics)

Types of Registration Actions	Operating Plan 87/88	RECEIPTS		ACCOMPLISHMENTS						
		Receipts 87/88	% Change Over 87	Rejections 87/88	Final Accept. 87/88	With-drawals 87/88	Provi-sional Accep-tance-87/88	Interim Replies 87/88	Total Actions 87/88	% Change Over 87
New Chemicals	280/220	234/327	+40%	112/112	7/27	3/12	0/0	109/184	231/335	+45%
New Biologicals (Biochemical)	50/30	22/32	+46%	3/4	2/2	0/0	3/2	14/9	22/17	-23%
Old Chemicals	4012/3750	3879/4743	+22%	1508/1534	1210/1390	524/189	16716	780/765	4038/3885	- 4%
Amended Registrations	6300/5425	8724/11052	+27%	1369/1635	3538/4757	6/21	12/3	3022/3985	7947/10401	+31%
New Uses	300/450	465/493	+ 6%	107/228	67/97	9/16	0/0	385/116	568/457	-19%
Emergency Exemptions	250/350	392/392	0%	58/67	252/226	49/55	-/-	32/49	391/397	+30%
Exp. Use Permit	400/300	275/293	+ 7%	56/50	125/123	8/3	-/-	140/116	329/292	-11%
Temporary Tolerances	150/110	88/106	+21%	36/25	29/29	1/0	-/-	42/64	108/118	+ 9%
SLN State Registrations	475/450	429/922	+115%	5/1	224/161**	40/13	-/-	187/688	466/863	+85%

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*These statistics are on separate registration actions including resubmissions and not on separate chemicals or original applications unless otherwise noted. These measures also give information on the volume of workload per category per year.

**Acknowledgement letters.

PESTICIDE PROGRAM ACCOMPLISHMENTS IN FY 87 (cont'd)
(Comparison of RD FY 86/87 Statistics)

		RECEIPTS		ACCOMPLISHMENTS						
Types of Registration Actions	Operating Plan 86/87	Receipts 86/87	% Change Over 86	Rejections 86/87	Final Accept. 86/87	With-drawals 86/87	Provi-sional Accep-tance-86/87	Interim Replies 86/87	Total Actions 86/87	% Change Over 86
Tolerances	475/450	394/490	+24%	252/206	69/63	14/14	-/-	130/201	465/484	+ 4%
Inert Clearances	60/60	28/24	-14%	10/5	7/3	0/0	0/0	32/4	49/12	-75%
Documents*										
Registration Standards									25/18	-28%
Special Reviews									15/13	-13%
PD 1 or 2/3									7/4	-43%
PD 4 or Final Resolution									8/9	+13%

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*These measures reflect the number of completed documents on specific chemicals. The identity of these chemicals are described elsewhere in this document.

OTHER REGISTRATION ACTIVITIES

STRATEGIC PLANNING AND MANAGEMENT SYSTEM ACCOMPLISHMENTS in FY 88

Types Of Registration Actions	Targets	Accomplishments
New Active Ingredient Chemicals (includes new biologicals)	10	15
Old Chemical Registrations	1425	1470
Registration Amendments	2625	4748
New Use Registrations	60	106
Emergency Exemption Requests (Granted & Denied)	250	256
Experimental Use Permits	N.A.	125
Temporary Tolerance Petitions	N.A.	29
Special Local Need Applications	N.A.	870
Tolerance Petitions	80	73
Inert Clearance Requests (Exemptions from the requirement of a tolerance)	N.A.	3

OTHER REGISTRATION ACTIVITIES

NEW CHEMICALS REGISTERED DURING FY 88

Chemical	Registrant	PM	Category*	Type	Use Pattern	Registration
Assert	American Cyanamid	25	C	Herbicide	Sunflower	4/11/88
Assure (DPX-6202)	Dupont	25	C	Herbicide	Soybean	6/10/88
Bacillus Thuringenesis (San Diego)	Mycogen, Inc.	17	C	Insecticide	Tomato, Potatoe, Egg Plant, Elm	5/12/88
Bromine Chloride	Great Lakes Ethyl	32	C	Slimicide	Antifoulant	10/6/87
Clandosan	Igene	21	U	Fungicide	Nematicide	3/17/88
Cyfluthrin (Baythroid)	Miles	15	U	Insecticide	Indoors	10/16/87
Enquik (N-tac)	Unocal	25	U	Herbicide	Crop	12/30/87
Ground Sesame Plant	Bob McBrayer	17	U	Nematicide	Agriculture Crop	2/17/88
Harmony	Dupont	25	C	Herbicide	Wheat and Barley	4/25/88
Karate	ICI	15	C	Insecticide	Cotton, Soybean	5/13/88
Lactic Acid (Propel)	Brea	25	U	Herbicide	Vegetable	4/29/88
Pelargonic Acid	Safer	23	U	Herbicide	Home, noncrop	1/29/88
Pseudomonas fluorescens	Ecogen	21	C	Fungicide	Biological	3/3/88

*C = Conditional Registration; U = Unconditional Registration.

OTHER REGISTRATION ACTIVITIES

NUMBER OF ACTIVE REGISTRATIONS
(through FY 88)

Type	Number
Section 3 registrations	36,824
Section 24(c) registrations	8,429
Intrastate registrations	1,908*
	47,161

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*Authorized under 40 CFR 162.17; not registered under section 3 of FIFRA.

OTHER REGISTRATION ACTIVITIES

TOLERANCES ESTABLISHED FOR REGIONAL REGISTRATIONS ISSUED IN FY 88

Chemical	Crop (Specific State)	Date Established
Benomyl	Pistachios, Watercress (CA, FL)	12/23/87, 10/7/87
Ethephon	Sugarcane (HI)	1/6/88
Fluazifop-butyl	Asparagus, Endive, Rhubarb (DE, FL, MD, NC, NJ, NY, OR, VA, WA)	5/4/88, 2/24/88
Metalxyl	Papaya (HI)	9/7/88
Paraquat	Tyfon (NH)	10/7/87
PCNB	Collards, Kale, Mustard Greens (GA)	3/23/88
Pendimethalin	Garlic (CA, NV)	2/3/88
Permethrin	Collards, Papaya, Turnip Greens/Roots (AZ, FL, GA, NC, OK, SC, TX, WA)	12/23/87, 4/27/88
Phosmet	Pistachios (CA)	12/23/87
Pronamide	Peas, Dried (Winter) (Id, WA)	2/24/88
Sethoxydim	Artichokes (CA)	2/24/88

OTHER REGISTRATION ACTIVITIES

GENETICALLY-ALTERED AND NONINDIGENOUS MICROBIAL PESTICIDE ACTIVITIES DURING FY 87

Microorganism*	Requester	Date Received	Crop	Agency Decision
Informal Reviews:				
Bacillus cereus (UW-85)	The Nitragin Company	5/2/88	Soybeans	EUP Not Required
Puccinia carduorum	US Department of Agriculture/ARS	1/22/88	Unspecified	Notification Required
Trichoderma harzianum (T-95)	Inotec Laboratories, Ltd.	5/9/88	Soybeans (Seed)	EUP Not Required
Notifications:				
Bacillus thuringiensis	Ciba-Geigy, Inc.	12/9/88	Corn	EUP in review
BTI Autograph California	Boyce Thompson Institute	1/17/88	Cabbage Leaves	EUP in review
Pseudomonas aureofaciens	Monsanto Agricultural Company	7/20/88	Wheat	Eup Not Required
Trichoderma harzianum	New York State Agricultural Experiment Station	7/10/87	Wheat	EUP Not Required
EUP Applications:				
Pseudomonas syringae (RGP36R2)	Advanced Genetic Sciences	8/2/88	Strawberries and other crops	EUP Renewal

OTHER REGISTRATION ACTIVITIES

GENETICALLY-ALTERED AND NONINDIGENOUS MICROBIAL PESTICIDE ACTIVITIES DURING FY 87 (cont'd)

Microorganism*	Requester	Date Received	Crop	Agency Decision
		11/4/87	" " "	EUP Extension
		1/21/88	" " "	EUP Amendment
		3/4/88	" " "	EUP Extension
Pseudomonas fluorescens (GJP17BR2)	Advanced Genetic Sciences	8/2/88	Strawberries and other crops	EUP Renewal
		11/4/87	" " "	EUP Extension
		1/21/88	" " "	EUP Amendment
		3/4/88	" " "	EUP Extension
Pseudomonas syringae (CIT7DE11b)	University of California	1/27/88	Potatoes	EUP Extension
Pseudomonas syringae (TLP2DE11)	University of California	1/27/88	Potatoes	EUP Extension

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